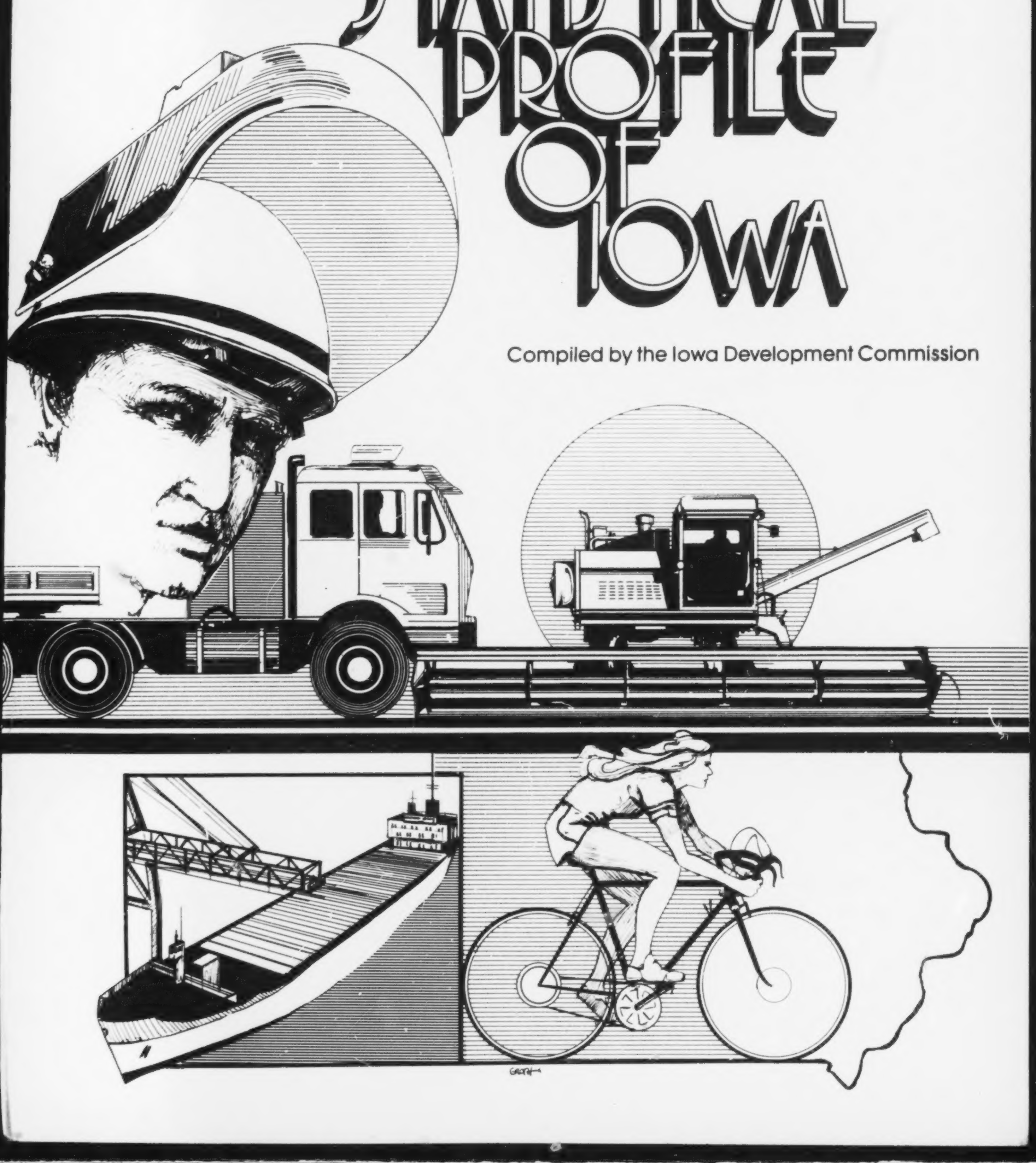
1980 STATISTICAL PROFILE OF IOWA



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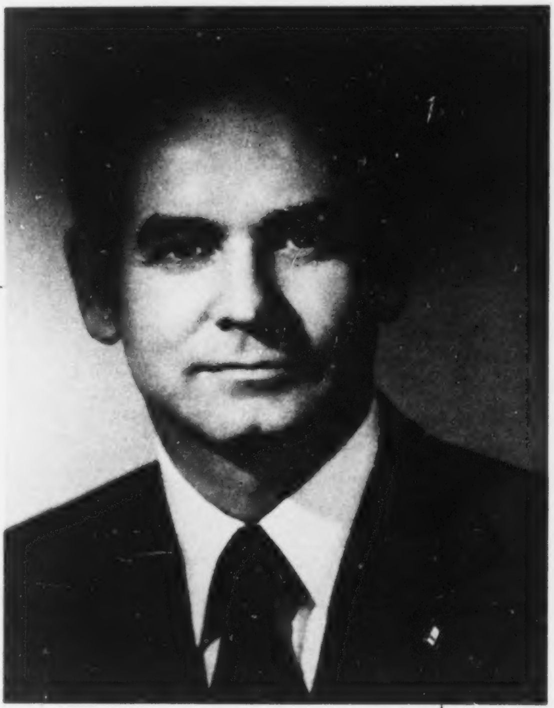

Robert D. Ray
Governor

Office of the Governor
State Capitol
Des Moines Iowa 50319

Dear Friend:

"Iowa, a Place to Grow" is more than just an opinion. We have the statistics, graphs and charts which clearly substantiate our state's slogan.

The Statistical Profile of Iowa sets our accomplishments on paper, including the production of a large share of the world's food, our tremendous industry and an excellent work force, and education at its best.

I have listed only a few of the many accomplishments of our state. This booklet will show you the rest.

Thank you for taking the time to discover more about our state. I appreciate your interest in Iowa. Please let me know if we can offer more information or answer your questions.

Best regards.

Sincerely,

Robert D. Ray

Robert D. Ray
Governor

RDR:njm

Iowa
a place to grow

Prepared by
THE IOWA DEVELOPMENT COMMISSION
250 Jewett Building
Des Moines, Iowa

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Del Van Horn
Director

Please, send us your suggestions

The Iowa Development Commission is pleased to present the ninth edition of the Statistical Profile of Iowa. The Profile is an annual publication which brings together in one source pertinent statistical data for our state, counties, and municipalities.

A wide range of sources have been drawn upon in compiling this book. Each table lists the source from which more detailed information may be available.

We would appreciate receiving your comments and suggestions regarding the Profile and hope it fulfills your informational needs.

Sincerely,

Doug Getter, Director
Resource and Support Division

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definitions

Standard Metropolitan Statistical Area: An Iowa SMSA is a county or group of contiguous counties which contains at least one city of at least 50,000 inhabitants or "twin cities" with a combined population of at least 50,000. Contiguous counties are included in an SMSA if, according to certain Census Bureau criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city.

Cedar Rapids (Linn County)

Davenport-Rock Island-Moline, Iowa-Illinois
(Scott County, Iowa; Henry County, Illinois; Rock Island County, Illinois)

Des Moines (Polk County prior to release of 1972 Census information, beginning with 1972 Census information
Warren County is included as part of the Des Moines SMSA)

Dubuque (Dubuque County)

Omaha, Nebraska-Iowa
(Douglas County, Nebraska; Sarpy County, Nebraska; Pottawattamie County, Iowa)

Sioux City, Iowa-Nebraska
(Woodbury County, Iowa; Dakota County, Nebraska)

Waterloo (Black Hawk County)

Urbanized Area: An urbanized area consists of a central city, or cities, including the closely surrounding settled territory that is urban in character, but excluding the rural portions of extended cities. Criteria for an urbanized area is as follows: a central city or cities of 50,000 or more inhabitants, incorporated places of 2,500 inhabitants, provided that the place has a closely settled area of 100 or more housing units, small areas of land having a density of 1,000 or more inhabitants per square mile, and certain other similar small areas.

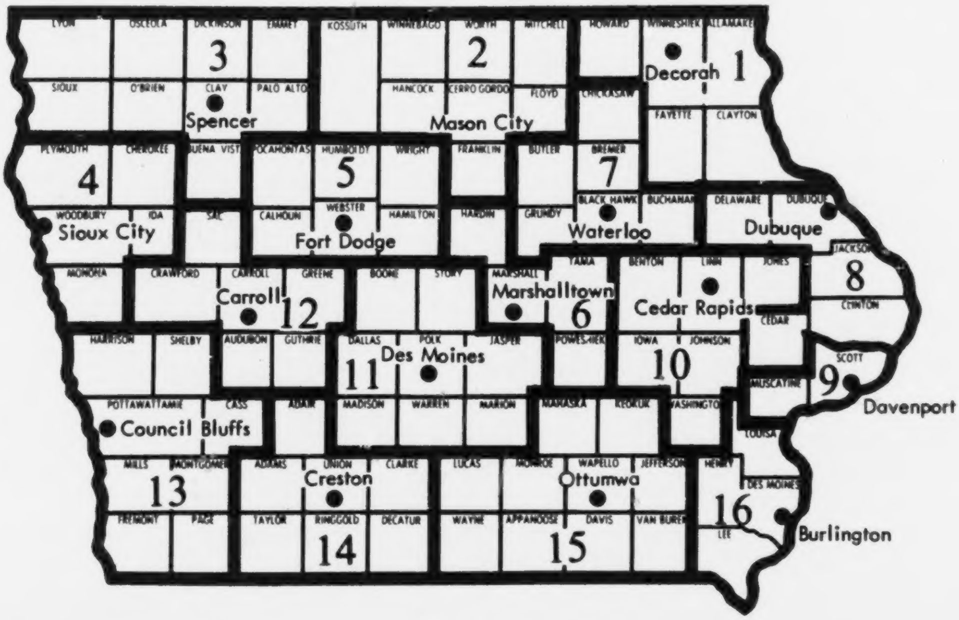
The definition of Urban Population was changed in 1950; therefore, data for Urban and Rural Population after 1950 is not strictly comparable to earlier years. Current urban population comprises all persons living in urbanized areas and in places of 2,500 inhabitants outside of urbanized areas. Rural population is all population not classifed as urban.

Incorporated Place: A political unit incorporated as a city, town, borough, or village usually recognized as a thickly settled center of population. Population changes may reflect annexations or detachments as well as the changes in number of inhabitants.

Unincorporated Places: A delineated boundary for closely settled population centers without corporate limits. A place having the same name in 1970 as in previous periods may not necessarily have the same boundary.

The Midwest: A regional area encompassing Iowa, Minnesota, South Dakota, Nebraska, Kansas, Missouri, Illinois and Wisconsin.

Iowa's 16 multi-county program planning areas.


LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
3
2
Decorah
1
SIOUX
O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
Spencer
Mason City
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
4
5
7
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
WOODBURY
IDA
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
Sioux City
Fort Dodge
Waterloo
Dubuque
JACKSON
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
8
Carroll
12
Marshalltown
6
Cedar Rapids
CLINTON
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
SCOTT
11
Des Moines
10
MUSCATINE
9
Davenport
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
Council Bluffs
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
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Creston
Ottumwa
DES MOINES
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Burlington
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE
14
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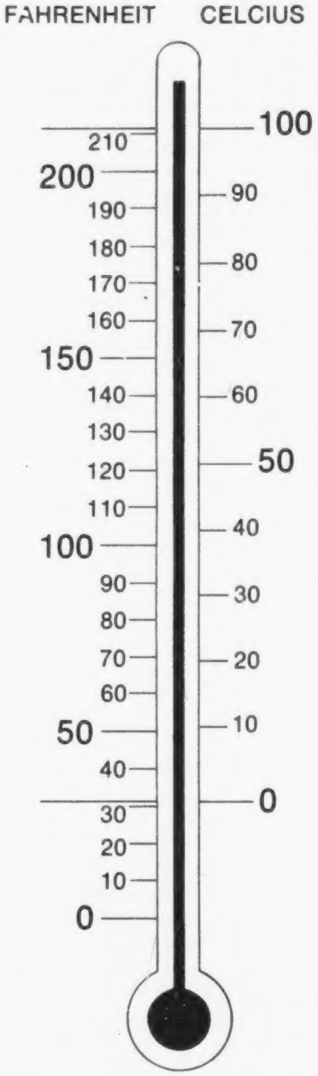
metric conversion table

In the metric system, temperature is measured in degrees Celsius. Water freezes at 0 degrees Celsius and boils at 100 degrees Celsius.

If the temperature outside were 20 degrees Fahrenheit, you'd need to wear a heavy winter coat, but 20 degrees Celsius is good corn planting weather. Normal body temperature is 37 degrees Celsius or 98.6 degrees Fahrenheit.

Degrees Celsius = 5/9 × (Degrees Fahrenheit − 32)

Degrees Fahrenheit = 9/5 × C° + 32



Length

to Metric	from Metric
1 inch = 2.54 centimeters	1 millimeter = 0.039 inch
1 foot = 0.3048 meter	1 centimeter = 0.3937 inch
1 yard = 0.9144 meter	1 meter = 3.281 feet
1 mile = 1.6093 kilometers	1 kilometer = 0.6214 mile

Weight

1 ounce = 28.35 grams	1 gram = 0.0353 ounce
1 pound = 0.4536 kilogram	1 kilogram = 2.205 pounds
1 short ton = 0.9072 metric ton	1 metric ton = 1.1023 short tons

Volume

1 cubic inch = 16.39 milliliters	1 milliliter = 0.06 cubic inch
1 quart = 0.9463 liter	1 liter = 1.0567 quarts
1 gallon = 3.785 liters	1 cubic meter = 1.308 cubic yards
1 cubic yard = 0.7646 cubic meter	1 hectare = 2.47 acres
1 acre = 0.405 hectare	

In other words:

- the length of an average kernel of field corn is approximately 1 centimeter.
- the diameter of the wire in a paper clip is approximately 1 millimeter.
- when you're traveling 55 mph, you're also traveling at 88 kilometers/h.
- three kernels of corn equal 1 gram (454 grams equal 1 pound).
- a 1,100 pound steer equals a 500 kilogram steer.
- a 220 pound market hog also weighs 100 kilograms.
- approximately 40 bushels of corn are equal to 1 metric ton.
- a yield of 159 bushels of corn per acre is equal to a yield of 10 metric tons per hectare.

Iowa is surprisingly industrial

INDUSTRIAL DEVELOPMENT ACTIVITY IN IOWA

	New Industry		Expansions		Totals	
	Number	Capital Investment (000)	Number	Capital Investment (000)	Number	Capital Investment (000)
1969	60	80,477	185	128,879	245	209,356
1970	68	122,018	155	96,930	223	218,948
1971	50	56,097	119	52,394	169	108,491
1972	75	71,346	181	122,733	256	194,079
1973	98	202,801	277	322,477	375	525,278
1974	88	85,268	227	275,919	315	361,187
1975	61	88,135	125	183,982	186	272,117
1976	75	58,884	156	318,343	231	377,227
1977	75	59,732	113	321,821	188	381,553
1978	75	72,603	130	398,414	205	471,017
10 yr. Totals	752	1,026,283	1,668	2,221,892	2,393	3,119,253

Source: Industrial Development Division, Iowa Development Commission.

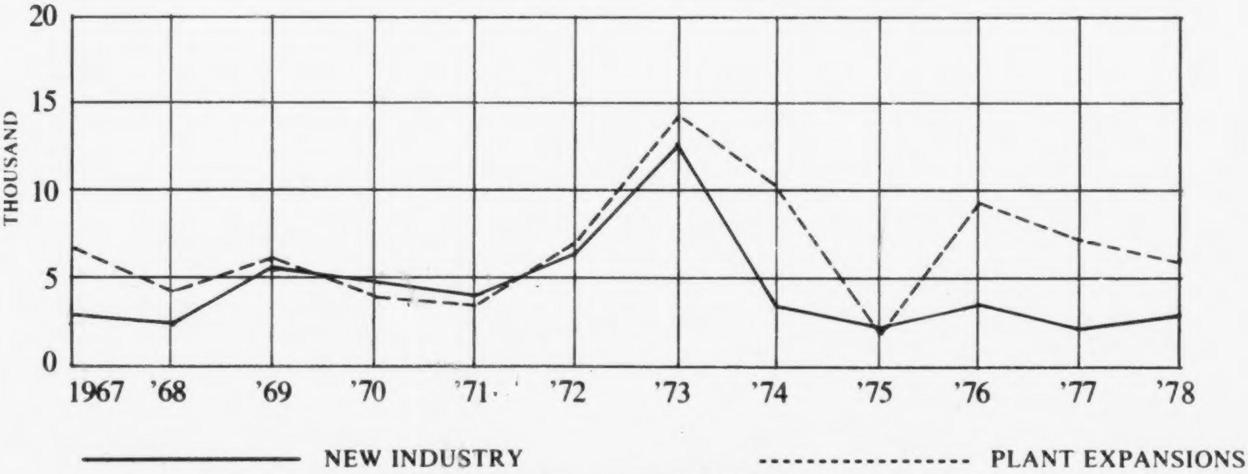
workers are 21% better

Compared to the average American production worker, Iowans are 21 percent more efficient. They put in the equivalent of 63 weeks a year, or 48 hours a week, when stacked against the national average.

This means the typical Iowa worker produces $8,535 more value per year than his average counterpart throughout America.

Iowa workers work.

NEW JOBS CREATED IN MANUFACTURING



10 YR. TOTALS - NEW INDUSTRY		44,103
	PLANT EXPANSIONS	68,835
	TOTAL	112,938

Source: Development Division, Iowa Development Commission

Check the advantages of locating facilities in Iowa. Each year new factors conducive to growth and expansion are added to Iowa's growing list of industrial advantages.

industrial revenue bonds 1978

Iowa law permits city councils, without a referendum, to authorize industrial development through buying land and building and equipping plants. Table shows bonds issued, 1972 through 1978.

City	Amount ($000)	Employment[1] Initial
1972		
Albia	500	C
Ottumwa	950	C
Burlington	650	C
Wilton	4,000	B
Red Oak	750	B
Spirit Lake	2,500	D
Sioux City	1,200	C
1973		
Atlantic	1,500	D
Clinton	800	D
Council Bluffs	650	D
Creston	550	B
Decorah	670	B
Grinnell	1,500	A
Maquoketa	210	C
Mason City	400	C
Mason City	1,200	D
Osceola	700	C
Ottumwa	760	B
Ottumwa	565	B
Seymour	165	B
Tipton	375	D
Walcott	5,000	C
1974		
Altoona	2,470	D
Armstrong	2,500	N/A
Atlantic	2,100	C
Burlington	2,000	C
Centerville	4,900	N/A
Centerville	2,500	D
Des Moines	2,700	C
Des Moines	1,250	C
De Witt	900	C
Garner	350	D
Gilman	400	C
Humboldt	500	B
Jefferson	2,000	A
Manchester	4,800	D
Maquoketa	325	B
Marshalltown	900	B
Muscatine	1,000	D
Oelwein	1,400	N/A
Parkersburg	1,000	A
Perry	1,000	A
Polk County	600	B
Postville	2,000	D
Postville	1,250	N/A
Sioux City	900	N/A
Sioux City	100	A
Sioux City	1,000	B
Spirit Lake	950	C
Tipton	900	D
Vincent	1,200	A
1975		
Boone	4,600	B
Cedar Falls	900	B
Centerville	2,300	C
Cresco	1,500	B
Eldora	600	A
Fort Dodge	2,000	E
Fort Madison	1,500	B

City	Amount ($100)	Employment[1] Initial
Glenwood	760	C
Grinnell	1,000	C
Hartley	3,500	A
Hudson	2,200	B
Keokuk	1,000	N/A
Knoxville	700	B
Ottumwa	350	D
Parkersburg	700	A
West Des Moines	1,000	N/A
1976		
Ackley	1,400	C
Ankeny	350	B
Belle Plaine	400	B
Cedar Rapids	700	B
Clear Lake	3,000	E
Council Bluffs	2,000	A
Council Bluffs	1,000	E
Creston	700	B
Denison	570	N/A
Des Moines	3,000	B
Keokuk	3,000	D
Knoxville	11,000	C
Maquoketa	550	C
Maquoketa	400	A
Maquoketa	500	B
Marcus	600	A
Mason City	1,200	D
Mt. Pleasant	900	D
Muscatine	1,000	C
Ottumwa	350	A
Red Oak	2,000	C
Rock Rapids	210	A
Spirit Lake	160	A
Vinton	1,000	B
Washington	1,200	C
Webster City	200	C
W. Des Moines	400	B
West Union	700	C
1977		
Ackley	1,400	C
Ankeny	1,400	D
Belle Plaine	600	B
Boone County	330	B
Cedar Rapids	1,000	N/A
Chariton	1,500	B
Council Bluffs	400	A
Council Bluffs	2,300	C
Council Bluffs	1,560	B
Davenport	2,500	A
Davenport	850	C
Davenport	1,000	D
Dyersville	1,800	A
Eagle Grove	400	C
Eldridge	500	B
Fairfield	1,600	A
Fort Dodge	1,000	N/A
Gilman	1,100	B
Grinnell	1,000	A
Keokuk	1,000	A
Mason City	1,000	A
Mt. Pleasant	1,000	C
Ottumwa	270	B

City	Amount ($000)	Employment[1] Initial
Polk County	700	A
Sheffield	500	A
Sioux City	650	B
Sioux City	500	A
Sioux City	950	E
Sioux City	2,100	A
Spirit Lake	700	B
Urbandale	750	E
Webster City	250	A
West Des Moines	1,700	B
West Des Moines	400	A
West Des Moines	850	B
1978		
Ames	450	A
Ankeny	2,200	A
Ankeny	500	A
Ankeny	750	A
Burlington	700	A
Camanche	202	A
Cedar Falls	300	A
Centerville	2,300	D
Clarion	3,000	D
Corning	900	C
Council Bluffs	100	A
Council Bluffs	325	A
Creston	1,500	A
Dakota City	500	B
Davenport	1,500	B
Davenport	1,300	A
Donahue	1,200	A
Eldridge	3,100	B
Eldridge	1,450	B
Hancock County	1,000	D
Harlan	1,000	D
Houghton	1,000	B
Johnston	1,000	A
Keokuk	1,000	D
Keokuk	1,000	A
Keokuk	1,000	C
Lineville	1,000	A
Maquoketa	375	B
Mason City	2,200	A
Mason City	800	B
Mount Pleasant	700	B
Muscatine	1,000	B
Osceola	1,250	B
Ottumwa	500	D
Polk County	450	A
Polk County	400	A
Polk County	450	A
Polk County	300	A
Red Oak	150	A
Reinbeck	1,000	A
Spencer	1,000	D
Spencer	140	A
Spencer	200	A
Victor	1,000	B
Vincent	225	A
Waverly	500	B
West Union	450	B
Williamsburg	2,400	C
Wilton	1,250	B
1978 TOTAL	47,017	

Source: Industrial Development Division, Iowa Development Commission.

[1] Employment Code A=1-20, B=21-50, C=51-100, D=101-250, E=251-500, F=501-1,000, G=Over 1,000.
N/A - Not Available

Iowa gives tax break for pollution control

Iowa law includes revenue bond financing for pollution control facilities. Under Internal Revenue regulations, up to $5 million of such bonds are tax-free for the investor. Table shows bonds issued, 1972 through 1978.

City	Amount ($000)
Cedar Rapids	900
Chillicothe	10,000
Chillicothe	5,900
Council Bluffs	3,150
Council Bluffs	1,575
Council Bluffs	1,585
Council Bluffs	12,750
Council Bluffs	18,000
Council Bluffs	1,000
Council Bluffs	2,730
Ft. Dodge	980
Ft. Madison	12,000
Hancock County	500
Keokuk	3,500
Pleasant Hill	1,270
Pleasant Hill	1,000
Salix	2,375
Salix	8,000
Salix	7,150
Salix	4,000
Total	98,365

Source: Industrial Development Division, Iowa Development Commission.

trouble getting credit? Iowa helps

The Iowa Business Development Credit Corporation is set up to finance sound Iowa business enterprises that might be unable to get reasonable financing elsewhere. Table shows Iowa's good record.

(DOLLARS IN 000)

	# of New Loans	New Loans Gross $ Amount	Total # of Loans Outstanding	Loans Outstanding Net $ *Amount	Net Loan Charge Off During 1978
Arkansas	2	$ 4,700	17	$ 3,848	0
Connecticut	3	1,385	12	1,610	1
Florida	17	2,550	55	7,600	205
Georgia	7	1,323	16	1,857	1
Iowa	20	5,065	44	4,074	19
Kansas	30	3,814	43	3,938	(3)
Kentucky	3	1,470	18	3,671	0
Maine	0	0	4	104	(9)
Maryland	18	3,459	57	5,101	14
Massachusetts	10	2,650	41	5,816	0
Missouri	33	7,674	41	4,720	0
Montana	0	0	7	454	0
Nebraska	6	745	20	1,420	0
New Hampshire	7	775	21	1,697	0
New York	42	12,898	133	16,053	71
No. Carolina	3	1,525	45	7,563	(5)
No. Dakota	3	640	16	1,857	0
Oklahoma	4	1,380	10	1,594	0
Pennsylvania	2	275	21	2,419	(32)
R.I.D.C.	11	1,646	20	2,465	(30)
S. E. Penn.	8	2,274	28	4,666	92
Rhode Island	2	770	17	1,921	0
So. Carolina	3	620	14	1,283	4
E. Washington	12	562	34	1,090	0
Wyoming	16	4,103	46	4,321	0

*Amount = Net of participations used since gross amount was not available.
Source: National Association of Business Development Corporation.

132 of top 500 have 312 plants in Iowa

Company	Rank
AMAX	166
AMF	214
Air Products & Chemicals, Inc.	252
Aluminum Company of America	65
American Can Company	66
American Chain & Cable Company, Inc.	452
American Cyanamid Company	102
American Home Products Corp.	94
American Standard	140
Amsted Industries	330
Anderson, Clayton & Company	282
Archer-Daniels-Midland Co.	154
Armco Steel	54
Associated Milk Producers, Inc.	163
Beatrice Foods Company	31
Bendix Corporation	75
Boise Cascade Corporation	111
Borden, Inc.	68
Borg-Warner Corporation	126
Butler Manufacturing Company	475
Campbell Taggart, Incorporated	279
Carnation Company	110
Caterpillar Tractor Company	24
Central Soya Company, Inc.	133
Certain-Teed Corporation	276
Champion International	74
Chromalloy American Corporation	203
Coca Cola Company	56
ConAgra, Inc.	394
Consolidated Foods Corporation	78
Continental Group	67
Crane Company	223
Dart Industries, Inc.	161
Dayco Corporation	348
Deere & Company	61
Dow Chemical Company	27
Dresser Industries, Inc.	95
E. I. Dupont DeNemours & Company	16
Eaton Corporation	101
Eltra Corporation	254
Emerson Electric Company	137
Esmark, Inc.	38
Ethyl Corporation	200
FMC Corporation	97
Farmland Industries, Inc.	91
Federal Company	328
Firestone Tire & Rubber Company	48
Fruehauf Corporation	131
Gannett Company, Inc.	335
General Electric Company	8
General Foods Corporation	41
General Mills, Inc.	86
Georgia-Pacific Corporation	53
Getty Oil Company	79
Goodyear Tire & Rubber Company	22
Gould, Inc.	152
Grace (W.R.) & Company	59
Greyhound Corporation	55
Gulf & Western Industries, Inc.	58
Harnischfeger Corporation	433
Harsco Corporation	294
Heinz, H. J., Company	138
Hoover Universal, Inc.	423
Hormel, Geo. A., & Company	221
Houdaille Industries, Inc.	479
IC Industries, Inc.	106
International Multifoods Corporation	291
International Paper Company	62
International Telephone & Telegraph Corporation	11
Iowa Beef Processors, Inc.	96
Johns-Manville Corporation	182
Kaiser Aluminum & Chemical Corporation	114
Kane-Miller Corporation	266
Kerr-McGee Corporation	142
Kidde, Walter, & Company, Inc.	151
Koehring Company	473
LTV Corporation	42
Land O'Lakes, Inc.	194
Lear Siegler, Inc.	234
Libbey-Owens-Ford Company	245
Liggett Group, Inc.	277
Lipton, Thomas J.	358
Litton Industries, Inc.	72
MAPCO, Inc.	382
Martin Marietta Corporation	165
Mead Corporation	127
Minnesota Mining & Manufacturing Co.	50
Monsanto Company	45
Motorola Inc.	132
National Distillers & Chemical Corp.	191
National Gypsum Company	275
Occidental Petroleum Corporation	33
Oscar Mayer & Company, Inc.	208
Pepsico, Inc.	60
Pfizer Inc.	121
Phillips Petroleum Company	26
Procter & Gamble Company	20
Quaker Oats Company	176
Ralston Purina Company	64
Raytheon Company	88
Rexnord Inc.	287
Rockwell International	37
St. Regis Paper Company	128
Searle, G. D., & Company	288
Sheller-Globe Corporation	366
Signal Companies	76
Sperry Rand Corporation	73
Square D. Company	320
Staley, A. E., Manufacturing Company	224
Standard Brands Inc.	123
Standard Oil of California	6
Standard Oil of Indiana	12
Sundstrand Corporation	316
Sybron Corporation	359
TRW Inc.	70
Talley Industries, Inc.	480
Tenneco, Inc.	19
Textron Inc.	89
Trane Company	381
Union Carbide Corporation	21
Uniroyal, Inc.	103
United Brands Company	105
United States Gypsum Company	202
United States Steel Corporation	15
Upjohn Company	211
Walter, Jim, Corporation	169
Westinghouse Electric Corporation	29
Weyerhaeuser Company	69
Wheelabrator-Frye, Inc.	302
White Consolidated Industries, Inc.	180
White Motor Corporation	247
Witco Chemical Corporation	313

Source: Fortune Magazine's annual listing of 500 largest manufacturers ranked by sales.

Iowa towns can get a million-dollar surge from 100 new industrial jobs

When a new factory comes to town, the economy snowballs. The total community payroll increases, the plant buys manufacturing materials and services, and its people buy the domestic things they need.

No one has nailed down the *exact* economic impact, but this study gives a pretty good idea.

Changes Between 1960 and 1970 in Counties Which Industrialized and Counties Which Did Not Industrialize

	Changes in Counties which Industrialized	Changes in Counties which did not Industrialize*	Net Change between two Groups of Counties	Net Change per Increase of 100 Manufacturing Employees
Population	+56,796	-23,989	+80,785	+351
Families	+19,642	-2,610	+22,252	+97
School Enrollment	+18,080	-16	+18,096	+79
Personal Income**	+$562,427,000	+$324,109,000	+$238,318,000	+$1,036,000
Retail Establishments***	+372	+158	+214	+1
Retail Sales***	+$241,143,000	+$111,147,000	+$129,996,000	+$565,000
Bank Deposits	+$276,962,000	+$164,200,000	+$112,762,000	+$490,000
Employment in:				
Manufacturing	+25,677	+2,677	+23,000	+100
Wholesale & Retail Trade	+7,353	+2,485	+4,868	+21
Professional and Related Services	+10,812	+6,870	+3,942	+17
Transportation, Communication and other Public Utilities	+2,791	+276	+2,515	+11
Finance, Insurance and Real Estate	+1,900	+585	+1,315	+6
Business and Personal Services	+436	-682	+1,118	+5
Construction	+2,428	+1,761	+667	+3
Agriculture, Mining and Industry not Reported	-16,929	-18,210	+1,281	+5
Total, All Industries	+34,468	-4,238	+38,706	+168

* Actual changes in these counties multiplied by 2.32 to compensate for smaller population and employment in the group of counties which did not industrialize

** Change in personal income is from 1959 to 1969

*** Change in retail establishments and retail sales is from 1958 to 1967

Changes Between 1960 and 1970 in Metropolitan Areas with Greater and Lesser Employment Growth

	Metropolitan areas with greater employment growth	Metropolitan areas with lesser employment growth*	Net change between two groups of areas	Net change per 100 increase in employment
Employment (manufacturing and nonmanufacturing)	+5,690,652	+2,000,430	+3,690,222	+100
Population	+12,519,000	+3,461,000	+9,058,000	+245
Families	+3,533,540	+971,171	+2,562,369	+69
School enrollment	+6,012,287	+3,069,701	+2,942,586	+80
Personal income**	+$112,598,000,000	+$80,425,000,000	+$32,173,000,000	+$872,000
Retail establishments***	+42,969	−31,882	+74,851	+2
Retail sales***	+$37,193,000,000	+$22,612,000,000	+$14,581,000,000	+$395,000
Bank deposits	+$54,984,000,000	+$37,252,000,000	+$17,732,000,000	+$481,000

* Actual change in thse areas multiplied by 1.23 to compensate for smaller total 1960 population in the group of areas with lesser employment growth

** Change in personal income is from 1959 to 1969

*** Change in retail establishments and retail sales is from 1958 to 1967

Source: Chamber of Commerce of The United States, 1973

open port warehousing favors distribution

You can move goods into an Iowa warehouse, divide them, repackage them, label them—all without paying any property tax so long as the goods are destined for final delivery outside Iowa.

This is a tremendous advantage to a distributor of, say, consumer goods who ships to major geographic areas in bulk, but breaks shipments into smaller units for delivery into more limited market areas.

Iowa tops production value per worker

	1960	1965	1970	1975	1976	1977
Iowa	$14,076	$19,005	$25,046	$44,001	$47,552	$51,269
Minnesota	15,129	19,621	24,312	37,607	39,929	44,008
Kansas	15,224	19,056	24,805	36,159	40,092	44,214
Illinois	14,914	18,858	24,089	39,225	43,718	46,948
Nebraska	13,892	18,169	24,950	38,254	42,664	45,957
Missouri	13,468	17,065	22,293	34,347	38,348	42,640
Wisconsin	13,762	16,924	21,885	35,403	40,198	43,729
South Dakota	12,170	14,827	19,025	26,488	30,301	37,103
Indiana	14,134	18,218	22,197	34,696	40,102	43,374
Ohio	15,155	19,082	23,544	37,201	42,449	46,900
Midwest Average[1]	14,079	17,941	23,301	36,436	40,350	44,614
United States Average	13,431	17,355	22,193	35,065	39,188	42,734

[1] Average is simple average rather than weighted average of the ten state area including Iowa.
Source: 1978 Annual Survey of Manufactures, U.S. Department of Commerce, Bureau of The Census.

Iowa's value-added-per-payroll-dollar ranks high[1]

	1960	1965	1970	1975	1976	1977
Iowa	$1.97	$2.16	$2.22	$2.58	$2.60	$2.58
Minnesota	1.90	2.03	1.94	1.96	2.18	1.97
Kansas	2.06	2.25	2.32	2.48	2.49	2.51
Illinois	1.85	2.02	1.94	2.06	2.14	2.14
Nebraska	2.02	2.31	2.58	2.68	2.73	2.54
Missouri	1.92	1.95	1.92	2.08	2.20	2.23
Wisconsin	1.83	1.93	1.91	2.14	2.25	2.27
South Dakota	1.92	2.02	1.91	2.24	2.28	2.45
Indiana	1.89	2.09	1.97	2.04	2.08	2.16
Ohio	1.69	1.95	1.88	2.02	2.11	2.10
Midwest Average[2]	1.93	2.08	2.09	2.28	2.36	2.29
United States Average	1.96	1.99	1.96	2.10	2.40	2.20

[1] Payroll of all employees.
[2] Average is a simple average rather than a weighted average of ten state area including Iowa.
Source: 1978 Annual Survey of Manufactures. U.S. Department of Commerce, Bureau of The Census.

where Iowa industrial workers work, what

1976

Ind. Code	Industry groups and Standard metropolitan statistical area, county, and city	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of industry shipments (million dollars)	Capital expenditures new (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					
	Iowa	231.1	2,994.8	164.0	312.8	1,910.3	7,798.6	13,126.6	20,772.3	709.5	2,698.1
20	Food and Kindred Products	43.5	606.5	30.7	62.0	419.9	1,669.3	7,389.3	9,020.0	150.1	448.1
201	Meat Products	22.4	337.1	17.9	36.3	268.4	657.6	4,534.4	5,195.0	27.9	130.6
2011	Meatpacking Plants	19.6	309.3	15.4	31.2	246.0	558.7	4,234.9	4,800.5	24.6	90.6
202	Dairy Products	3.1	37.2	2.1	4.3	22.0	128.4	515.2	635.3	6.5	30.1
204	Grain Mill Products	9.9	137.6	6.0	12.0	79.8	532.8	1,141.8	1,671.9	85.8	115.9
2048	Prepared Feeds, Nec.	3.9	44.3	1.6	3.6	16.0	150.6	405.0	554.8	7.2	27.9
22	Textile Mill Products	.4	2.7	.4	.8	1.9	5.1	4.3	9.4	.1	1.9
23	Apparel, Oth. Textile Prods.	3.7	25.5	3.2	6.2	18.1	38.2	37.9	76.2	1.4	13.4
24	Lumber and Wood Products	4.9	47.1	4.2	7.6	36.0	97.9	127.6	230.1	5.6	31.0
243	Millwork, Plywood, Struc. Membs.	2.8	29.3	2.4	4.5	22.5	53.2	60.2	117.6	3.2	16.0
25	Furniture and Fixtures	2.8	30.9	2.1	4.0	23.7	83.3	77.2	158.1	4.2	22.3
26	Paper and Allied Products	4.5	52.7	3.5	7.2	37.3	142.4	216.5	354.0	23.4	45.3
27	Printing and Publishing	14.1	158.3	8.6	15.9	79.2	360.5	225.8	582.7	33.2	47.2
2711	Newspapers	5.2	57.4	2.9	5.3	25.4	127.9	35.9	163.8	9.4	4.8
275	Commercial Printing	3.7	32.7	2.8	5.0	20.4	58.5	36.8	95.5	(D)	13.8
28	Chemicals, Allied Products	6.0	84.6	3.8	7.4	45.3	926.9	632.7	1,564.5	85.0	136.8
29	Petroleum and Coal Products	.3	3.0	.2	.5	2.1	7.7	10.7	18.6	(Z)	1.1
30	Rubber, Misc. Plastics Prod.	11.5	130.4	9.2	15.0	93.8	384.4	327.5	716.4	30.1	94.7
3079	Miscellaneous Plastics Products	5.6	63.7	4.5	7.9	45.6	163.8	143.0	303.1	20.6	31.1
31	Leather, Leather Products	1.0	8.5	.8	1.5	5.8	12.5	9.3	21.5	.7	6.2
32	Stone, Clay, Glass Products	8.0	89.6	6.6	13.0	68.0	243.5	274.0	512.1	31.8	52.4
327	Concrete, Gypsum, Plaster Prods.	4.5	51.0	3.6	7.5	37.0	132.1	149.4	280.6	14.1	13.4
3273	Ready-Mixed Concrete	2.7	27.2	2.0	3.7	18.6	70.3	100.3	170.8	11.1	3.8
33	Primary Metal Industries	7.7	109.7	6.0	11.6	80.6	280.2	443.0	666.1	41.8	218.1
332	Iron and Steel Foundries	2.6	36.0	2.0	3.6	26.1	59.0	68.3	127.7	12.7	10.5
34	Fabricated Metal Products	18.6	214.7	13.2	24.6	129.9	470.9	360.5	822.6	37.3	178.2
344	Fabricated Struc. Metal Prods.	6.4	65.3	5.1	9.8	45.6	141.5	148.4	281.2	6.1	71.0
349	Misc. Fabricated Metal Products	6.1	86.8	3.6	6.6	44.7	189.8	108.5	296.2	8.1	69.8
3494	Valves and Pipe Fittings	4.1	61.4	2.4	4.5	33.2	129.4	67.7	192.7	6.9	50.7
35	Machinery, Except Electric	57.1	858.7	41.4	78.6	581.7	1,894.1	1,934.4	3,826.4	191.7	980.0
352	Farm and Garden Machinery	26.2	398.3	19.5	36.6	280.4	980.1	933.1	1,920.0	53.3	437.9
353	Construction, Related Machinery	18.0	287.9	12.7	24.0	192.1	573.4	661.0	1,243.7	86.6	376.9
3531	Construction Machinery	16.7	271.8	11.8	22.4	183.0	547.1	622.9	1,178.4	83.0	360.6
36	Electric, Electronic Equip.	24.4	285.0	16.9	31.5	177.1	741.5	566.6	1,284.7	57.5	237.3
363	Household Appliances	6.8	76.7	5.3	9.8	57.0	268.8	249.4	509.1	39.7	64.5
367	Electronic Components, Access	3.5	29.5	3.0	6.0	22.1	59.1	40.1	100.1	2.3	13.2
37	Transportation Equipment	9.1	98.1	7.0	13.6	60.0	239.7	375.2	597.7	6.2	116.6
371	Motor Vehicles and Equipment	8.5	90.1	6.7	13.1	56.6	226.4	367.6	576.0	(D)	109.3
3713	Truck and Bus Bodies	5.1	50.1	4.0	7.7	28.1	122.9	245.0	352.2	(D)	73.8
38	Instruments, Related Prods.	2.2	24.7	1.5	2.8	13.6	47.7	18.2	64.3	2.5	16.6
39	Misc. Manufacturing Indus.	6.4	59.6	4.8	8.8	36.3	152.7	95.7	247.0	7.0	50.9
394	Toys and Sporting Goods	3.1	26.4	2.3	3.9	15.3	72.7	43.8	116.8	4.6	25.7
—	Administrative and Auxiliary	4.7	96.6	—	—	—	—	—	—	—	—
	Iowa	231.1	2,994.8	164.0	312.8	1,910.3	7,798.6	13,126.6	20,772.3	709.5	2,698.1
	Standard Metropolitan Statistical Areas										
	Cedar Rapids, Iowa	28.2	377.1	16.7	32.5	206.0	867.1	1,361.2	2,200.4	91.1	362.0
	Davenport-Rock Island-Moline, Iowa—Ill.	45.7	707.0	32.2	60.4	449.7	1,469.9	2,261.7	3,676.1	161.8	707.4
	Des Moines, Iowa	27.1	355.3	17.2	30.9	190.0	828.7	1,239.1	2,054.6	44.6	259.0
	Dubuque, Iowa	15.3	236.7	11.0	22.0	159.8	433.3	789.4	1,248.8	36.9	211.5
	Omaha, Nebr.—Iowa	33.7	403.1	23.4	44.0	253.2	1,123.3	2,582.6	3,687.9	74.9	346.1
	Sioux City, Iowa—Nebr.	11.2	144.1	7.9	15.9	94.2	299.4	1,818.4	2,120.5	17.1	100.1
	Waterloo-Cedar Falls, Iowa	19.9	307.7	14.4	26.8	215.5	625.3	783.0	1,425.2	67.0	234.7
	Counties										
	Black Hawk	19.9	307.7	14.4	26.8	215.5	625.3	783.0	1,425.2	67.0	234.7
	Clinton	7.2	89.6	5.5	10.4	63.6	319.7	435.9	755.4	29.0	96.8
	Des Moines	6.8	86.1	4.7	8.9	52.3	243.7	189.6	432.9	13.0	51.9
	Dubuque	15.3	236.7	11.0	22.0	159.8	433.3	789.4	1,248.8	36.9	211.5
	Jasper	5.2	64.7	3.4	6.1	37.6	209.5	141.6	350.1	29.3	38.9
	Lee	7.1	86.1	5.3	10.3	58.3	293.0	384.4	675.3	87.5	93.6
	Linn	28.2	377.1	16.7	32.5	206.0	867.1	1,361.2	2,200.4	91.1	362.0
	Marshall	6.4	100.1	3.8	7.0	53.5	195.0	201.7	392.7	11.0	64.5
	Muscatine	7.4	91.8	5.3	10.6	56.5	382.2	448.8	827.6	50.0	69.3
	Polk	26.4	350.0	16.7	29.9	186.6	817.1	1,226.1	2,031.1	44.7	252.0
	Scott	15.3	236.7	11.1	21.3	160.6	512.8	816.4	1,266.7	78.3	305.7
	Places With 20,000 or More Employees										
	Cedar Rapids	27.2	365.9	16.0	31.2	200.1	847.5	1,345.5	2,165.6	90.1	355.6

D withheld to avoid disclosing figures for individual companies.

[1] The publication of "all industries" totals at the county level is limited to the large industrial counties (those with over 5,000 manufacturing employees) which could be shown without disclosing figures for individual companies and for which a reliable estimate was obtained. The sample for the annual survey of manufactures was not designed to obtain reliable data for smaller counties.

The total value of shipments and cost of materials data for industry groups (2 and 3 digit) and a few individual industries (4 digit) include extensive duplication arising from shipments between establishments in the same industry classification.

Source: Annual Survey of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

they produce, and what it's worth

1972

Standard metropolitan statistical area, county, and city	1972											1967	
	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
IOWA, TOTAL	3,388	1,170	215.5	2,038.9	157.0	311.3	1,355.0	4,757.7	7,947.0	12,598.7	329.4	210.1	3,250.9
Standard Metropolitan Statistical Areas													
Cedar Rapids	192	70	22.2	224.0	14.2	29.0	129.0	471.4	742.7	1,202.8	22.5	28.3	421.8
Davenport-Rock Island-Moline	417	168	41.7	463.7	29.9	57.7	300.7	853.1	1,237.1	2,014.4	36.7	40.3	769.9
Portion in Illinois	257	103	26.6	295.8	18.8	35.2	184.2	545.9	712.6	1,192.3	15.6	33.1	517.3
Portion in Iowa	160	65	15.2	168.0	11.1	22.6	116.5	307.3	524.5	822.1	21.1	16.3	252.6
Des Moines	439	149	26.9	271.1	18.0	34.5	162.7	569.8	835.2	1,386.8	24.0	25.4	391.8
Dubuque	111	43	15.0	166.1	11.2	22.1	118.6	348.8	531.3	865.3	10.8	12.3	201.5
Omaha	613	253	38.0	341.1	27.9	55.2	225.0	846.3	1,946.1	2,762.3	41.2	36.6	603.9
Portion in Iowa	72	25	3.3	23.7	2.7	5.4	16.8	75.4	219.9	293.7	4.1	2.0	23.1
Portion in Nebraska	541	228	34.7	317.4	25.2	49.8	208.2	770.9	1,726.2	2,468.6	37.1	34.6	580.7
Sioux City	158	62	10.5	87.7	7.7	15.8	57.2	196.2	1,067.9	1,263.1	11.1	9.2	117.2
Portion in Iowa	139	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Portion in Nebraska	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Waterloo-Cedar Falls	156	63	19.5	208.7	15.0	28.9	155.3	436.7	443.6	875.1	39.7	21.0	311.6
COUNTIES													
Adair E5	10	—	(Z)	2	(Z)	(Z)	1	5	5	9	1	(Z)	2
Adams E2	8	—	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)
Allamakee	25	6	1.0	6.3	9	1.7	4.8	16.0	59.0	73.7	4	5	5.5
Appanoose	24	10	1.1	6.2	9	1.9	4.8	19.8	15.5	35.0	7	1.0	13.9
Audubon	10	3	2	8	1	2	5	2.1	2.8	4.9	1	2	2.5
Benton	26	6	5	3.7	4	8	2.6	6.4	14.6	20.9	4	4	4.1
Black Hawk	156	63	19.5	208.7	15.0	28.9	155.3	436.7	443.6	875.1	39.7	21.0	311.6
Boone	30	10	8	5.2	6	1.0	3.4	10.6	8.9	19.7	7	6	5.3
Bremer	28	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Buchanan	17	5	3	2.4	3	5	1.7	6.1	22.4	28.4	4	2	4.1
Buena Vista	31	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Butler E6	18	—	0.1	0.5	0.1	0.1	0.3	1.4	1.5	2.9	0.1	0.1	0.3
Calhoun	19	3	2	1.6	2	4	1.1	2.7	7.5	10.0	1	1	8
Carroll E3	26	6	3	2.2	2	5	1.3	5.1	7.2	12.2	1.4	5	2.8
Cass	16	7	3	1.8	2	4	1.0	5.8	7.1	12.9	5	2	4.3
Cedar E1	23	2	2	1.8	2	4	1.3	5.1	8.0	13.0	2	2	4.0
Cerro Gordo	61	30	3.6	34.9	2.8	5.5	25.6	72.8	267.1	337.8	4.3	3.4	51.8
Cherokee	19	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chickasaw	19	8	8	6.3	6	1.3	4.0	19.8	61.9	81.3	(D)	3	4.7
Clarke E1	7	3	2	1.2	2	3	8	2.2	1.7	3.9	1	2	1.8
Clay	35	10	9	7.1	8	1.4	4.9	18.7	119.3	135.9	4	(D)	(D)
Clayton E1	31	5	4	2.2	3	7	1.7	4.4	11.6	15.8	3	6	6.4
Clinton	60	28	6.6	63.5	5.1	10.6	45.6	171.5	210.1	381.3	34.3	6.1	106.9
Crawford	19	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dallas	27	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.3
Davis E1	6	3	1	6	1	2	5	9	8	1.7	(Z)	1	8
Decatur	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Delaware	21	8	5	3.6	4	9	2.5	7.6	25.4	32.8	2.0	3	2.4
Des Moines	68	34	9.2	78.0	6.8	12.5	51.6	186.3	154.3	339.3	11.8	11.1	189.1
Dickinson	18	5	1.0	6.1	8	1.7	3.7	16.4	9.9	25.7	1.9	8	7.1
Dubuque	111	43	15.0	166.1	11.2	22.1	118.6	348.8	531.3	865.3	10.8	12.3	201.5
Emmet	18	7	1.4	11.6	1.1	2.3	8.9	26.3	116.2	141.1	1.1	(D)	(D)
Fayette	37	11	8	6.7	6	1.3	4.8	16.4	29.7	46.1	7	9	10.4
Floyd	22	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Franklin	15	3	3	2.6	2	5	2.0	6.3	6.3	12.7	2	3	4.7
Fremont E2	8	4	2	2.0	2	4	1.3	5.7	3.9	8.3	7.6	(D)	(D)
Greene	17	8	8	6.5	6	1.0	3.4	6.2	6.9	12.8	6	5	3.8
Grundy	26	8	7	4.6	5	1.1	3.0	10.6	12.4	22.7	4	3	4.6
Guthrie E5	9	—	(Z)	2	(Z)	1	2	5	2	7	1	(Z)	3
Hamilton E1	38	15	1.7	12.3	1.3	2.6	8.9	26.2	61.2	87.6	2.5	1.1	11.6
Hancock	13	3	2	1.8	2	4	1.3	2.9	5.8	8.4	7	2	2.2
Hardin	35	11	9	6.3	7	1.3	4.5	12.6	94.5	107.0	6	8	13.7
Harrison E3	10	1	1	6	1	1	4	1.4	2.0	3.6	1	1	1.0
Henry	17	6	7	4.2	5	1.2	3.3	13.7	12.2	25.9	4	5	6.1
Howard	16	2	2	1.5	2	3	1.1	4.8	20.7	25.5	4	2	2.9
Humboldt	21	7	3	2.7	3	5	1.7	5.6	7.8	13.4	6	4	3.8
Ida	11	3	2	1.7	2	4	1.2	4.7	6.4	10.9	3	2	1.9
Iowa	29	7	2.0	16.6	1.5	2.9	9.7	29.8	50.5	77.7	1.6	(D)	(D)
Jackson E1	27	6	7	4.7	6	1.1	3.8	10.0	19.8	29.4	2	9	7.5
Jasper	33	14	4.8	46.5	3.2	6.1	29.0	161.6	92.9	255.4	4.9	4.6	101.1
Jefferson	17	10	1.3	9.5	1.0	1.8	6.3	18.7	20.6	38.9	5	1.8	19.8
Johnson	51	16	2.1	18.6	1.6	3.3	12.2	140.3	82.1	222.6	5.7	2.2	102.5
Jones E2	37	10	7	4.9	5	1.0	3.1	8.8	14.2	22.7	1.0	5	4.8
Keokuk	6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1	1.6
Kossuth	19	7	7	4.3	5	1.1	3.1	13.3	14.7	28.3	8	5	3.8
Lee	64	25	6.2	53.3	4.6	9.3	36.2	132.0	168.1	298.5	10.0	6.6	99.0
Linn	192	70	22.2	224.0	14.2	29.0	129.0	471.4	742.7	1,202.8	22.5	28.3	421.8
Louisa	18	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lucas	12	2	3	2.3	3	5	1.8	4.6	2.7	7.1	1	4	2.3
Lyon E1	13	1	1	9	1	3	7	2.4	1.1	3.5	1	1	1.5
Madison	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	3
Mahaska	30	11	1.4	9.1	1.0	2.0	5.8	22.9	30.6	53.3	1.8	1.1	11.6
Marion	25	7	1.8	14.5	1.6	3.1	11.2	24.7	27.3	51.2	2.5	1.4	15.4
Marshall	55	25	5.8	61.7	3.6	6.8	33.8	118.4	107.8	224.3	2.4	6.1	85.7
Mills	7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mitchell E1	12	1	1	6	1	1	3	1.0	1.0	2.0	(Z)	1	7
Monona E4	7	—	(Z)	3	(Z)	1	2	6	8	1.4	1	(Z)	4
Monroe	13	4	4	2.4	3	7	1.7	4.5	4.4	9.1	1.0	2	1.2
Montgomery	12	4	8	5.7	6	1.2	4.0	22.4	8.5	30.9	7	(D)	(D)
Muscatine	72	35	5.7	52.4	3.9	7.8	29.4	224.0	176.5	395.8	11.1	4.4	84.4
O'Brien	18	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Osceola	10	6	4	2.3	3	6	1.7	4.7	23.0	27.6	3.8	(D)	(D)

See footnotes at end of table.

Iowa industrial information (continued)

Standard metropolitan statistical area, county, and city		1972 Establishments: Total (number)	1972 Establishments: With 20 employees or more (number)	1972 All employees: Number (1,000)	1972 All employees: Payroll (million dollars)	1972 Production workers: Number (1,000)	1972 Production workers: Man-hours (millions)	1972 Production workers: Wages (million dollars)	1972 Value added by manufacture (million dollars)	1972 Cost of materials (million dollars)	1972 Value of shipments (million dollars)	1972 Capital expenditures, new (million dollars)	1967 All employees (1,000)	1967 Value added by manufacture (million dollars)
COUNTIES—CONTINUED														
Page		25	8	8	5.5	5	1.0	3.2	14.8	16.1	30.6	6	5	6.0
Palo Alto	E5	13	4	2	1.1	1	2	7	2.0	3.1	5.2	1	1	1.2
Plymouth	E2	19	7	6	5.2	3	7	2.4	9.6	68.2	77.7	6	6	5.5
Pocahontas		18	3	4	3.4	3	6	2.5	6.2	4.7	10.8	3	3	3.3
Polk		411	145	26.5	267.9	17.6	33.8	160.5	564.9	827.7	1,375.0	23.7	25.4	391.8
Pottawattamie		72	25	3.3	23.7	2.7	5.4	16.8	75.4	219.9	293.7	4.1	2.0	23.1
Poweshiek		28	11	1.1	8.8	9	1.8	6.0	22.3	19.8	41.5	1.1	4	6.3
Ringgold	E2	6	1	1	2	1	1	2	6	3	8	(Z)	(Z)	2
Sac		19	5	4	2.9	3	6	1.7	5.8	6.2	12.4	2	5	5.9
Scott		160	65	15.2	168.0	11.1	22.6	116.5	307.5	524.5	822.1	21.1	16.3	252.6
Shelby		14	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sioux		49	16	1.4	10.2	1.1	2.3	6.7	25.0	71.0	95.5	1.6	1.1	8.7
Story		48	13	1.6	13.1	1.1	2.0	6.9	39.2	17.3	52.2	4.6	2.1	25.9
Tama		17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2	4.4
Taylor		6	3	3	1.6	2	5	1.2	3.7	4.6	8.0	3	2	2.9
Union		13	4	6	4.3	4	9	2.8	11.4	7.3	18.6	5	6	7.7
Van Buren		12	4	2	1.2	2	4	1.1	2.4	1.5	3.7	1	(D)	(D)
Wapello		36	17	5.1	56.6	3.8	7.8	40.9	86.4	235.5	330.2	3.7	5.3	80.0
Warren		28	4	4	3.2	4	7	2.2	4.9	7.5	11.8	3	2	2.5
Washington		30	8	9	7.7	7	1.4	4.6	16.8	32.1	47.6	1.1	5	4.4
Wayne	E1	14	5	2	1.5	2	4	9	3.1	3.3	6.2	1	2	1.8
Webster		59	25	3.8	35.3	2.9	5.9	26.3	82.3	227.7	307.8	6.4	4.5	77.4
Winnebago		28	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	15.8
Winneshiek		18	5	4	2.7	3	5	1.5	7.0	10.6	17.2	3	4	3.5
Woodbury		139	56	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worth	E1	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1	4
Wright		26	8	6	4.7	4	8	2.7	16.4	95.2	111.1	1.1	7	10.7
CITIES WITH 450 OR MORE EMPLOYEES														
Algona		10	4	0.5	3.4	0.4	0.9	2.5	11.4	9.7	21.3	0.8	(NA)	(NA)
Ames		30	10	1.3	9.6	9	1.7	5.8	21.7	13.1	35.3	(D)	1.8	21.5
Ankeny		15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Bettendorf		28	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Boone		15	5	5	2.9	4	5	2.0	6.3	4.0	10.4	1	(NA)	(NA)
Burlington		57	32	8.9	75.5	6.6	12.0	49.8	176.4	149.4	325.5	10.7	(D)	(D)
Camanche		5	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cedar Falls		32	14	1.5	13.1	1.0	1.9	8.3	23.1	16.5	39.0	7	1.5	19.8
Cedar Rapids		156	66	21.9	221.9	14.0	28.6	127.5	467.1	736.5	1,192.4	22.1	28.1	419.1
Centerville	E1	18	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9	13.6
Charles City		13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clinton		38	20	4.3	39.6	3.3	6.9	28.5	95.2	154.1	249.5	23.0	4.2	62.4
Council Bluffs		58	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	19.9
Davenport		117	48	9.9	103.0	7.1	13.9	69.1	209.3	287.3	495.7	11.0	9.8	140.2
Denison		14	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Des Moines		295	100	17.7	170.3	10.9	20.3	89.0	319.7	638.6	948.5	17.8	17.2	245.1
Dubuque		92	37	14.2	161.1	10.6	21.0	115.4	337.9	524.0	846.7	9.8	11.0	187.8
Dyersville		8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Estherville		12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fairfield		15	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Forest City		12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Fort Dodge		46	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	36.4
Fort Madison		24	11	2.8	24.1	2.0	4.2	14.7	80.5	98.3	177.6	5.1	2.8	51.4
Grinnell		17	8	9	7.5	7	1.5	5.1	20.4	16.6	36.4	9	(NA)	(NA)
Grundy Center		11	6	5	3.2	4	8	2.1	7.0	7.2	13.9	2	(NA)	(NA)
Iowa City		36	14	2.0	17.7	1.5	3.1	11.4	136.8	75.3	212.3	5.6	1.8	95.3
Jefferson		11	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Keokuk		32	13	3.3	28.5	2.6	5.1	21.2	50.5	68.6	118.6	4.8	3.4	42.4
Le Mars	E9	11	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5	5.0
Maquoketa		10	1	5	3.3	4	6	2.7	6.8	5.7	12.1	1	(D)	(D)
Marshalltown		47	23	5.7	60.8	3.5	6.6	33.4	116.5	103.0	217.6	2.4	6.0	84.8
Mason City		44	25	3.1	31.5	2.4	4.7	23.2	64.5	215.1	277.7	4.2	2.6	37.6
Monticello		20	7	6	3.8	4	8	2.4	6.7	10.3	16.7	8	(NA)	(NA)
Mount Pleasant		10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Muscatine		47	25	4.1	39.2	2.6	5.2	20.3	93.3	105.9	196.6	7.4	3.8	53.3
Newton		21	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oelwein		14	6	5	4.8	4	9	3.4	10.6	10.9	21.4	4	5	6.6
Oskaloosa		27	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ottumwa		32	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	78.4
Pella		17	6	1.8	14.0	1.6	3.0	10.9	23.6	26.2	49.0	2.3	9	11.1
Red Oak		9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sioux City		123	52	7.7	64.1	5.7	11.3	42.6	143.1	475.7	618.8	(D)	7.5	92.4
Spencer		24	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Spirit Lake		8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Storm Lake		14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington		14	6	7	6.1	6	1.3	4.2	15.0	21.9	35.6	9	(NA)	(NA)
Waterloo		101	44	17.7	193.7	13.9	26.6	146.1	408.9	413.1	817.3	38.8	18.9	284.7
Waverly		10	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Webster City	E1	21	9	1.2	9.0	1.0	1.8	6.6	20.0	35.7	55.9	1.5	8	8.9
West Des Moines		32	12	1.1	11.0	8	1.5	6.4	19.9	11.5	30.8	7	1.1	18.0

General Statistics by Industry Group and Industry

All Industries, Total		3,388	1,170	215.5	2,038.9	157.0	311.3	1,355.0	4,757.7	7,947.0	12,598.7	329.4	210.1	3,250.9
Food and Kindred Products		618	277	49.6	478.1	36.3	72.2	334.4	1,112.0	4,737.5	5,829.0	96.4	49.2	816.8
201 Meat Products		124	66	27.5	277.1	22.7	44.0	223.1	487.3	3,266.7	3,743.9	21.9	25.3	338.8
2011 Meatpacking Plants		77	43	24.0	257.3	19.5	37.6	207.0	431.7	3,126.5	3,550.5	18.4	22.6	317.8
2013 Sausages and Other Prepared Meats		24	7	1.2	7.7	1.1	2.4	6.1	26.0	55.2	81.2	1.1	CC	(D)
2016 Poultry Dressing Plants	E1	16	9	9	4.7	8	1.6	3.8	9.0	32.5	41.1	1.0	(NA)	(NA)
2017 Poultry and Egg Processing		7	7	1.4	7.3	1.3	2.4	6.2	20.5	52.5	71.1	1.3	(NA)	(NA)
202 Dairy Products		130	51	4.3	36.0	2.4	4.8	18.1	115.7	388.5	501.7	6.0	5.6	104.7
2021 Creamery Butter		22	5	3	2.2	2	3	1.6	6.0	40.8	46.7	2	1.2	11.5
2022 Cheese, Natural and Processed		22	10	6	3.9	5	1.1	3.1	17.9	72.1	89.6	8	6	5.6

See footnotes at end of table

Iowa industrial information (continued)

Ind code	Industry		1972											1967	
			Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
General Statistics by Industry Group and Industry (Continued)															
2023	Condensed and Evaporated Milk		18	12	.9	8.1	.8	1.5	6.8	49.8	126.2	174.3	2.0	CC	(D)
2024	Ice Cream and Frozen Desserts		11	4	.2	1.7	.1	.3	1.0	4.2	7.3	11.4	.2	BB	(D)
2026	Fluid Milk	E1	57	20	2.2	20.1	.7	1.6	5.8	37.8	142.2	179.8	2.9	2.9	35.4
204	Grain Mill Products		173	72	9.6	99.8	6.0	13.1	58.6	324.9	564.2	885.5	37.0	9.5	247.9
2048	Prepared Feeds, NEC		154	57	3.7	31.9	1.7	3.9	12.9	97.2	227.2	323.1	4.5	(NA)	(NA)
205	Bakery Products		51	22	3.1	23.9	1.8	3.3	11.9	47.2	40.8	87.9	1.5	3.4	39.6
2051	Bread, Cake, and Related Products		48	19	2.4	20.3	1.3	2.4	9.1	40.6	31.0	71.6	1.1	2.8	34.3
2052	Cookies and Crackers		3	3	.7	3.7	.6	1.0	2.8	6.6	9.8	16.3	.4	.6	5.2
207	Fats and Oils		37	15	1.0	10.0	.7	1.5	6.7	46.1	374.3	415.4	6.3	(NA)	(NA)
2075	Soybean Oil Mills		16	11	.8	7.5	.5	1.1	5.0	38.6	358.3	392.0	4.6	.9	21.9
2077	Animal and Marine Fats and Oils		21	4	.3	2.5	.2	.4	1.6	7.5	16.1	23.4	1.6	.6	7.8
208	Beverages		44	29	1.8	13.6	.7	1.4	4.0	35.2	38.9	74.4	5.2	1.6	22.3
2086	Bottled and Canned Soft Drinks		37	28	1.7	13.1	.7	1.4	3.7	32.6	34.6	67.3	(D)	1.5	21.0
209	Misc. Foods, Kindred Products		32	9	.7	5.7	.5	.9	2.9	25.6	18.1	44.5	1.3	(NA)	(NA)
2099	Food Preparations, NEC		22	8	.6	5.1	.4	.8	2.6	24.0	17.2	41.9	1.2	.6	10.2
22	Textile Mill Products	E1	10	5	.3	1.7	.2	.5	1.1	2.8	3.2	5.9	.1	.3	1.5
23	Apparel, Other Textile Prods		65	30	3.5	17.2	3.1	5.8	13.6	34.3	27.2	60.5	1.0	FF	(D)
232	Men's and Boy's Furnishings	E2	14	10	1.3	5.6	1.1	2.0	4.7	10.6	8.2	18.8	.2	EE	(D)
2329	Men's and Boys' Clothing, NEC	E2	4	4	.6	3.0	.5	1.0	2.7	5.5	3.3	8.8	.2	.4	3.0
234	Women's, Children's Undergarms		5	5	.6	2.6	.5	1.0	2.3	6.9	5.6	12.5	.1	.5	5.4
2341	Women's and Children's Underwear		5	5	.6	2.6	5.5	1.0	2.3	6.9	5.6	12.5	.1	.5	5.4
238	Misc. Apparel and Accessories	E1	5	4	.2	.7	.2	.3	.6	1.0	1.3	2.4	(Z)	.3	1.6
2381	Fabric Dress and Work Gloves	E1	5	4	.2	.7	.2	.3	.6	1.0	1.3	2.4	(Z)	AA	(D)
239	Misc. Fabricated Textile Prods		28	4	.4	2.5	.3	.6	1.6	5.3	4.5	9.7	.1	1.3	10.6
24	Lumber and Wood Products		176	32	5.0	37.0	4.2	8.1	28.2	72.1	102.7	175.1	5.0	(NA)	(NA)
242	Sawmills and Planing Mills	E3	63	3	.4	2.7	.3	.7	2.4	5.2	5.9	11.2	.4	.4	2.6
2421	Sawmills, Planing Mills, General	E3	58	2	.3	2.5	.3	.6	2.3	4.8	5.8	10.6	(D)	BB	(D)
243	Millwork, Plywood, Struc Membs		41	15	3.0	23.7	2.5	4.9	18.0	39.8	46.3	86.7	3.4	(NA)	(NA)
2431	Millwork		16	8	2.3	18.6	2.0	3.8	14.5	29.3	37.3	67.4	(D)	(NA)	(NA)
244	Wood Containers		8	2	.3	1.3	.3	.6	1.2	3.3	5.4	8.6	(Z)	(NA)	(NA)
245	Wood Buildings and Mobile Homes		13	10	.9	7.0	.7	1.3	5.0	19.1	40.2	59.0	.8	(NA)	(NA)
25	Furniture and Fixtures		61	27	3.8	32.3	2.8	5.5	19.3	65.8	49.8	113.0	2.7	3.0	38.3
251	Household Furniture		28	15	1.9	14.9	1.5	2.7	9.3	27.0	24.3	50.4	1.3	(NA)	(NA)
2511	Wood Household Furniture		10	5	.3	1.5	.3	.4	1.3	2.9	2.0	4.5	(D)	(NA)	(NA)
2512	Upholstered Household Furniture		9	8	1.3	11.3	1.0	1.8	6.6	18.5	16.1	34.2	1.0	(NA)	(NA)
26	Paper and Allied Products		44	32	4.2	37.0	3.4	7.1	26.7	89.9	105.3	194.6	8.4	4.1	61.0
264	Misc. Converted Paper Products		19	12	1.7	13.3	1.4	2.7	9.3	40.1	29.2	69.2	5.1	1.7	26.4
2641	Paper Coating and Glazing		5	4	.5	4.3	.4	.9	3.1	13.7	12.4	25.7	.6	BB	(D)
2643	Bags, Except Textile Bags		7	5	1.1	7.7	.9	1.6	5.3	23.5	14.5	38.3	4.3	.9	15.6
265	Paperboard Containers and Boxes		20	16	2.2	19.8	1.7	3.6	14.4	40.7	66.5	106.8	(D)	•2.0	26.5
27	Printing and Publishing		700	120	13.6	112.3	7.8	14.2	58.5	227.6	166.8	392.6	14.6	12.5	173.4
2711	Newspapers	E1	299	48	5.6	41.4	2.8	4.8	20.0	85.7	20.8	106.5	9.0	5.8	63.8
2721	Periodicals		28	5	1.8	17.0	.2	.4	1.8	34.2	80.7	114.5	(D)	FF	(D)
273	Books		20	6	1.8	18.5	1.4	2.8	14.0	38.3	24.2	61.4	(D)	.4	6.2
275	Commercial Printing	E1	266	40	2.9	23.9	2.2	4.0	14.9	41.5	26.1	67.3	(D)	(NA)	(NA)
2751	Commercial Printing, Letterpress	E3	162	11	1.2	9.4	1.0	1.9	6.2	17.7	11.4	29.0	(D)	(NA)	(NA)
2761	Manifold Business Forms		10	8	.6	4.9	.5	1.0	3.4	13.6	10.2	23.7	(D)	.4	7.9
279	Printing Trade Services		24	1	.2	1.9	.2	.4	1.5	3.1	.6	3.8	(D)	(NA)	(NA)
2791	Typesetting	E1	14	1	.2	1.1	.1	.2	.9	1.7	.3	2.1	(D)	(NA)	(NA)
28	Chemicals and Allied Products		111	39	4.9	48.8	3.0	6.1	25.1	390.1	285.1	671.1	25.2	5.3	243.6
283	Drugs		16	5	1.0	9.9	.5	1.0	3.8	27.4	17.1	42.6	1.7	.8	19.4
284	Soaps, Cleaners, Toilet Goods		25	6	.9	8.2	.5	1.1	4.3	123.4	64.7	187.5	3.9	(NA)	(NA)
2851	Paints and Allied Products		10	6	.6	5.3	.4	.7	3.1	26.6	26.2	52.7	.6	.5	24.1
287	Agricultural Chemicals		28	12	1.3	13.8	.8	1.8	6.9	59.7	95.7	154.6	4.7	(NA)	(NA)
2873	Nitrogenous Fertilizers		4	3	.4	4.7	.3	.6	2.5	18.9	37.0	55.9	.9	(NA)	(NA)
2875	Fertilizer, Mixing Only		12	4	.4	3.2	.3	.6	2.0	9.3	18.7	26.7	(D)	.4	5.9
289	Miscellaneous Chemical Products	E1	17	2	.2	1.8	.2	.3	1.3	5.1	5.9	10.9	.8	(NA)	(NA)
29	Petroleum and Coal Products	E3	16	6	.3	3.0	.2	.5	2.0	7.8	7.3	15.0	1.2	.2	1.7
295	Paving and Roofing Materials	E2	11	4	.2	2.2	.2	.4	1.7	4.9	4.4	9.2	.9	(NA)	(NA)
30	Rubber, Misc. Plastics Prod		67	40	10.0	99.9	8.0	15.8	76.5	251.4	188.6	434.8	18.9	(NA)	(NA)
3079	Miscellaneous Plastics Products		57	32	4.5	37.2	3.5	6.9	25.8	84.8	63.3	146.8	9.1	(NA)	(NA)
31	Leather and Leather Products	E1	19	10	.8	4.6	.7	1.2	3.0	8.6	11.5	20.0	.2	CC	(D)
3151	Leather Gloves and Mittens		4	3	.2	1.1	.2	.3	.7	2.6	2.9	5.3	(D)	AA	(D)
32	Stone, Clay, Glass Products	E1	324	67	6.0	53.0	4.8	9.7	39.2	131.5	102.2	233.7	8.6	6.2	110.7
3241	Cement, Hydraulic		5	5	1.1	12.3	.9	1.9	10.4	37.7	21.3	57.9	(D)	1.1	32.6
325	Structural Clay Products		15	12	.8	6.0	.7	1.4	4.6	10.7	6.6	17.7	1.1	1.0	9.8

See footnotes at end of table.

Iowa industrial information (continued)

General Statistics by Industry Group and Industry (Continued)

Ind. code	Industry		1972											1967	
			Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
			Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
327	Concrete, Gypsum, Plaster Prods	E2	282	47	3.7	32.3	2.8	5.9	22.2	75.6	69.2	144.5	5.6	3.8	65.7
3271	Concrete Block and Brick	E1	23	5	.3	2.4	.1	.3	1.0	4.3	4.5	8.8	.4	BB	(D)
3272	Concrete Products, NEC	E1	85	14	1.0	7.8	.8	1.6	5.5	15.8	8.8	24.5	.7	EE	(D)
3273	Ready-Mixed Concrete	E3	168	22	1.6	13.2	1.1	2.3	8.7	27.8	36.4	64.2	3.3	EE	(D)
33	Primary Metal Industries		65	42	8.3	86.4	6.7	13.8	64.3	138.1	253.0	380.3	12.5	8.6	120.4
332	Iron and Steel Foundries		24	21	2.8	26.7	2.4	4.7	20.9	46.2	33.0	79.0	3.1	2.7	30.7
3321	Gray Iron Foundries		18	15	1.7	14.5	1.4	2.8	10.8	28.7	23.5	52.1	(D)	1.6	18.3
336	Nonferrous Foundries		26	10	1.3	9.7	1.0	2.0	6.8	13.3	12.0	25.3	1.3	1.2	11.5
3361	Aluminum Foundries		17	7	.7	5.2	.6	1.0	4.2	6.5	6.7	13.0	.7	.6	5.8
34	Fabricated Metal Products		238	101	18.4	157.6	13.4	25.8	100.0	301.7	246.4	547.0	16.2	(NA)	(NA)
342	Cutlery, Handtools and Hardware	E1	21	8	1.1	9.3	.9	1.7	6.5	19.7	20.7	39.4	.7	.7	9.3
3429	Hardware, NEC	E1	8	5	.8	6.5	.6	1.1	4.2	13.5	17.4	30.2	.6	.5	6.7
344	Fabricated Struc Metal Prods		103	48	5.8	46.9	4.5	9.4	32.9	92.4	97.1	190.4	4.4	4.7	44.2
3441	Fabricated Structural Metal		29	17	1.9	16.4	1.3	2.8	10.6	24.1	38.5	65.1	1.6	1.8	15.9
3442	Metal Doors, Sash, and Trim		16	9	.8	4.8	.6	1.3	3.4	9.7	10.1	19.8	.6	.4	3.8
3443	Fabricated Platework, Boiler Shop	E1	17	10	1.2	10.0	1.0	2.0	7.2	26.0	23.3	48.6	1.2	.6	4.6
3444	Sheet Metalwork		27	8	1.6	13.0	1.2	2.8	9.6	27.9	21.0	48.1	.8	1.3	12.5
346	Metal Forgings and Stampings	E1	19	8	1.0	6.4	.8	1.6	5.1	16.7	9.5	26.2	.6	(NA)	(NA)
3469	Metal Stampings, NEC		13	7	.7	4.9	.6	1.2	3.8	11.9	6.9	18.7	.4	(NA)	(NA)
347	Metal Services, NEC	E1	26	3	.2	1.7	.2	.4	1.4	3.0	.9	3.8	.1	.2	1.8
3471	Plating and Polishing	E1	21	1	.2	1.3	.1	.3	1.0	2.3	.6	2.8	CC	AA	(D)
349	Misc Fabricated Metal Products		44	19	5.3	52.8	3.4	6.5	28.2	107.9	61.0	168.9	4.3	(NA)	(NA)
3494	Valves and Pipe Fittings		8	6	3.7	37.0	2.3	4.1	20.2	77.6	37.2	113.0	3.2	3.2	50.1
3499	Fabricated Metal Products, NEC		24	8	1.3	12.6	.8	1.7	5.6	23.8	18.7	44.4	.7	(NA)	(NA)
35	Machinery, Except Electrical		487	187	48.0	530.0	35.9	72.3	372.8	1,204.2	968.0	2,139.7	65.8	46.4	753.1
352	Farm and Garden Machinery		140	76	23.7	269.4	18.4	36.6	196.6	643.4	496.4	1,135.3	45.1	(NA)	(NA)
353	Construction, Related Machinery		53	30	13.3	159.4	9.7	20.4	111.4	336.2	314.9	630.4	9.5	12.3	226.9
3531	Construction Machinery		31	20	12.1	147.9	8.8	18.7	104.6	314.2	296.0	598.8	9.1	10.6	202.5
3537	Industrial Trucks and Tractors		6	2	.3	2.2	.2	.4	1.4	4.6	3.3	7.9	.1	BB	(D)
354	Metalworking Machinery	E1	63	21	2.3	22.3	1.7	3.4	14.4	40.0	25.6	64.6	1.4	2.1	31.8
3544	Special Dies, Tools, Jigs, Etc	E2	40	7	.7	7.1	.6	1.3	5.8	10.8	4.3	15.0	.6	.8	11.5
3549	Metalworking Machinery, NEC	E2	10	5	.7	6.1	.5	.9	3.3	13.3	9.9	22.8	(D)	(NA)	(NA)
355	Special Industry Machinery		40	18	2.2	21.5	1.5	3.1	13.1	51.7	30.1	81.7	1.4	2.1	32.8
3551	Food Products Machinery		12	6	1.0	11.0	.7	1.3	6.0	26.2	12.4	39.1	.5	1.2	17.9
358	Refrigeration and Service Mach		26	11	2.1	18.7	1.4	2.5	11.5	36.8	36.6	72.5	(D)	1.5	23.0
359	Misc Machinery, Exc Elec	E2	125	13	1.6	12.6	1.3	2.4	9.3	24.3	15.5	39.6	1.2	(NA)	(NA)
3599	Machinery, Except Electrical, NEC	E2	125	13	1.6	12.6	1.3	2.4	9.3	24.3	15.5	39.6	1.2	(NA)	(NA)
36	Electric, Electronic Equip		63	39	20.0	174.8	14.6	28.5	111.1	405.3	355.3	754.4	13.0	(NA)	(NA)
362	Electrical Industrial Apparatus		6	4	.6	4.1	.4	.8	2.7	9.6	6.2	15.4	.7	AA	(D)
363	Household Appliances		11	9	6.2	54.2	4.9	9.2	39.9	186.8	156.9	342.8	6.4	FF	(D)
364	Elec Lighting, Wiring Equip		4	3	.2	.9	.1	.3	.7	2.1	1.2	3.2	.1	(NA)	(NA)
367	Electronic Components, Access		15	11	3.6	23.8	3.2	5.9	18.0	49.6	36.7	84.7	1.4	4.4	49.1
37	Transportation Equipment		95	43	7.4	59.5	5.6	11.8	39.6	157.4	246.3	389.7	33.0	(NA)	(NA)
371	Motor Vehicles and Equipment		61	32	6.3	50.1	4.8	10.2	34.3	143.8	232.8	362.5	(D)	2.6	34.2
3713	Truck and Bus Bodies		22	14	4.0	32.5	2.9	6.5	21.4	93.5	169.4	251.1	(D)	CC	(D)
379	Misc Transportation Equipment	E2	20	8	.6	3.8	.5	1.0	2.6	5.6	10.2	15.8	(D)	(NA)	(NA)
3792	Travel Trailers and Campers	E2	16	6	.4	2.8	.4	.7	2.0	4.9	7.8	12.7	(D)	(NA)	(NA)
3799	Transportation Equipment, NEC		4	2	.2	.9	.1	.3	.6	.7	2.4	3.1	(D)	(NA)	(NA)
38	Instruments, Related Products		44	12	2.5	25.5	1.6	3.1	12.8	49.3	24.1	73.1	2.8	(NA)	(NA)
3811	Engineering, Scientific Instru		5	3	1.0	9.5	.5	1.0	3.9	16.6	7.1	23.3	1.1	EE	(D)
39	Misc Manufactur'g Industries		142	42	6.2	44.0	4.6	9.2	26.7	107.9	63.8	170.4	3.8	5.6	64.8
394	Toys and Sporting Goods		36	13	2.3	15.1	1.8	3.5	9.4	41.8	22.9	65.0	2.2	1.8	21.0
395	Pens, Office and Art Goods		7	3	1.3	10.7	.9	1.8	5.9	20.9	12.0	32.5	.3	EE	(D)
396	Costume Jewelry and Notions		9	5	.4	2.7	.3	.7	1.4	6.6	6.6	12.1	.1	BB	(D)
399	Miscellaneous Manufactures	E1	84	19	2.1	15.0	1.6	3.1	9.7	37.7	21.9	59.5	1.2	1.7	21.1
3999	Manufacturing Industries, NEC	E1	26	6	.7	3.7	.6	1.1	2.5	11.1	4.9	15.7	.2	.2	1.6
....	Administrative Auxiliary		43	19	2.4	36.2	—	—	—	—	—	—	—	1.3	—

Note: The payroll and sales data for small establishments (generally single-unit companies with less than 10 employees) were obtained from administrative records of other government agencies instead of from a census report form. These data were then used in conjunction with industry averages to estimate the balance of the items shown in the table for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time the data were tabulated. The following symbols are shown where administrative records data were used and account for 10 percent or more of the figures shown:

E1—10 to 19 percent	E3—30 to 39 percent	E5—50 to 59 percent	E7—70 to 79 percent	E9—90 to 99 percent
E2—20 to 29 percent	E4—40 to 49 percent	E6—60 to 69 percent	E8—80 to 89 percent	E0—100 percent

— Represents zero. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. However, for such areas with 150 employees or more, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

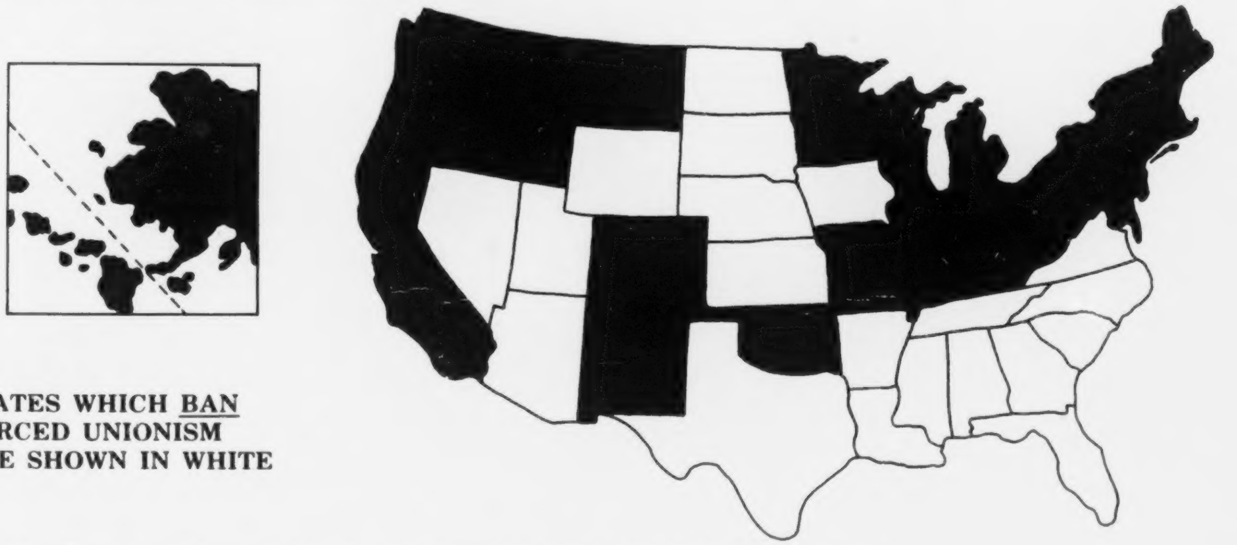
AA—150 to 249 employees BB—250 to 499 employees CC—500 to 999 employees EE—1,000 to 2,499 employees FF—2,500 employees and over

Source: Area Series, Iowa 1972 Census of Manufacturers, U.S. Dept. of Commerce, Bureau of the Census.

right to work protected by Iowa law

Iowa law insures that no worker can be deprived of getting or keeping a job because the worker belongs, or does not belong, to any kind of organization—association, labor union, club, professional group, whatever.

Traditionally, support for this law has transcended philosophical differences between political parties and among Iowa legislators. It is unlikely to be changed.



STATES WHICH BAN
FORCED UNIONISM
ARE SHOWN IN WHITE

All of the plains states except one were below the national average in estimated time lost due to work stoppages.

Iowa scores well in labor-management harmony

	Union Membership (000's)			Work Stoppages 1976[1]		
	1970	1972	1974	Number	Workers Involved (000's)	Days Idle (000's)
Iowa	186	187	212	78	47.1	1,109.6
Minnesota	378	383	375	115	22.8	465.4
Kansas	112	110	110	31	15.2	504.6
Illinois	1,548	1,526	1,584	421	151.4	1,891.0
Nebraska	86	87	83	14	6.7	175.9
Missouri	594	551	575	163	62.7	1,197.3
Wisconsin	482	469	490	78	31.7	685.3
South Dakota	21	22	23	5	3.5	16.1
Indiana	657	647	670	193	88.1	1,593.2
Ohio	1,413	1,369	1,389	549	270.8	4,838.6
All States	19,757	19,789	20,566	5,648	2,420.0	37,858.9

[1] Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1976 and Work Stoppages, U.S. Department of Labor, Beureau of Labor Statistics, Dec. 1977

Iowa unemployment consistently below national average...

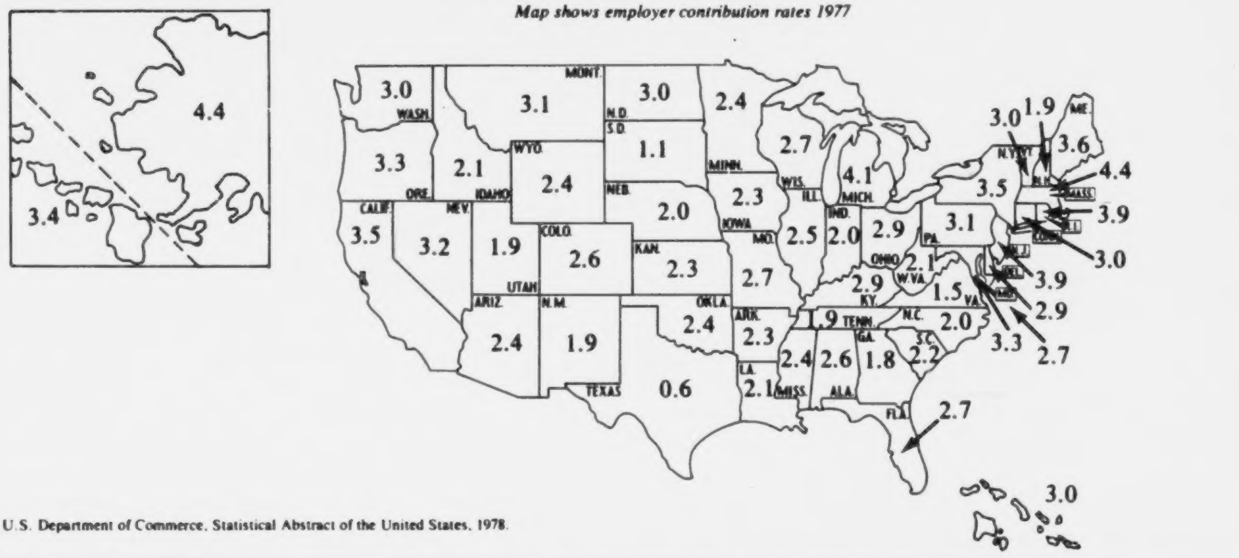
	IOWA				U.S.
Year	Total Labor Force (000)	Total Employment[1] (000)	Number Unemployed (000)	Unemployment Rate (%)	Unemployment Rate (%)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1951	1100.6	1075.7	[illegible]	2.2	3.3
1952	1084.8	1057.3	27.5	2.5	3.1
1953	1071.7	1043.7	[illegible]	2.6	2.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1955	1072.6	1042.5	30.1	2.8	4.4
1957	1079.7	1047.7	32.0	3.0	4.3
1958	1077.0	1039.5	37.5	3.5	6.8
1959	1102.1	1071.5	30.5	2.8	5.5
1960	1104.1	1069.1	35.0	3.2	5.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1962	1087.5	1051.0	[illegible]	3.4	[illegible]
1963	1082.9	1049.7	33.1	3.1	5.7
1964	[illegible]	1055.7	[illegible]	2.7	5.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1966	1152.0	1127.6	24.3	2.1	3.8
1967	1167.4	1138.7	28.7	2.5	3.9
1968	1177.3	1147.6	29.6	2.5	3.6
1969	1194.1	1160.7	33.4	2.8	3.5
1970[2]	1195.5	1155.7	39.8	3.3	4.9
1971	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1972	1250.3	1218.0	32.3	2.6	5.6
1973	1284.5	1257.8	26.5	2.1	4.9
1974	1303.5	1275.2	28.2	2.2	5.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1976	1335.0	1282.0	53.0	4.0	7.7
1977	1385.0	1329.0	56.0	4.0	7.0
1978	1419.0	1362.0	57.0	4.0	6.0

[1] Data from 1970 on has been revised to a "Place of Residence" concept as adopted by Job Service of Iowa.
[2] Data for 1970-1977 has been adjusted to Current Population Survey.
Source: Job Service of Iowa, Research and Statistics Division.

...so unemployment insurance is used less

NATIONAL AVERAGE 2.8

Map shows employer contribution rates 1977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CALIF. 3.5
IDAHO 2.1
NEV. 3.2
MONT. 3.1
WYO. 2.4
UTAH 1.9
COLO. 2.6
ARIZ. 2.4
N.M. 1.9
N.D. 3.0
S.D. 1.1
NEB. 2.0
KAN. 2.3
OKLA. 2.4
TEXAS 0.6
MINN. 2.4
IOWA 2.3
MO. 2.7
ARK. 2.3
LA. 2.1
WIS. 2.7
ILL. 2.5
MICH. 4.1
IND. 2.0
OHIO 2.9
KY. 2.9
TENN. 1.9
MISS. 2.4
ALA. 2.6
GA. 1.8
FLA. 2.7
S.C. 2.2
N.C. 2.0
VA. 1.5
W.VA. 2.1
PA. 3.1
N.Y. 3.5
VT. 3.0
N.H. 1.9
ME. 3.6
MASS. 4.4
R.I. 3.9
CONN. 3.0
N.J. 3.9
DEL. 2.9
MD. 2.7
3.3
3.0

Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1978.

individual Iowans outproduce their neighbors

Midwest States	Value Added (000,000)	Number of Production Workers (000)	Value Added Per Production Worker	Value Added Per Production Man-Hour	Value Added Per Dollar Paid in Production Wages
	Manufacturing — 1977				
Iowa	$ 8,715.8	170.0	$51,269	$26.31	$3.98
Minnesota	9,245.3	209.7	44,088	22.92	3.85
South Dakota	608.5	16.4	37,103	19.26	3.66
Nebraska	2,821.8	61.4	45,957	23.24	4.24
Kansas	5,385.3	121.8	44,214	22.22	3.92
Missouri	12,813.5	300.5	42,640	22.21	3.73
Illinois	40,277.2	857.9	46,948	23.97	3.74
Wisconsin	16,761.5	383.3	43,729	22.31	3.53
Indiana	22,593.7	520.9	43,374	22.04	3.21
Ohio	43,294.0	923.1	46,900	23.53	3.36
United States	581,640.9	13,592.3	42,792	21.91	3.72

Source: 1977 Census of Manufactures, Bureau of The Census, Department of Commerce Preliminary Reports.

look at Iowa's favorable employment climate

	Year	United States	Iowa	Minnesota	South Dakota	Nebraska	Kansas	Missouri	Illinois	Wisconsin	Indiana	Ohio
Annual average nonagricultural¹ employment (000)	1976	79,443.0	1,030.8	1,520.8	218.6	572.1	834.8	1,797.8	4,509.0	1,723.9	2,023.8	4,094.5
	1977	82,142.0	1,066.4	1,596.3	N/A	585.5	864.4	1,844.2	4,607.9	1,785.3	2,089.4	4,215.5
	1978	86,450.9	1,104.5	1,682.8	232.7	601.5	913.1	1,927.0	4,729.0	1,879.0	2,190.9	4,380.8
Annual average manufacturing¹ employment (000)	1976	18,956.0	234.0	321.6	22.2	87.9	166.6	424.9	1,208.4	519.1	685.1	1,295.3
	1977	19,554.0	242.3	338.4	N/A	90.6	171.2	436.9	1,238.4	533.1	707.4	1,340.5
	1978	20,385.9	249.8	358.2	24.3	92.6	186.5	452.8	1,237.1	562.1	738.4	1,379.2
Average weekly manufacturing earnings (Dollars)	1976	207.60	233.42	220.09	179.95	202.57	202.93	206.96	236.11	230.91	243.60	252.54
	1977	226.89	257.84	238.80	N/A	N/A	219.29	231.15	254.91	250.06	271.92	283.08
	1978	N/A	280.70	258.59	216.42	230.84	N/A	248.40	271.42	274.21	295.40	306.91
Average weekly manufacturing¹ hours	1976	40.0	39.9	39.8	39.9	41.1	41.0	39.8	40.4	40.6	40.6	41.4
	1977	40.3	40.1	40.0	N/A	N/A	41.1	40.2	40.6	40.6	41.2	42.0
	1978	N/A	40.1	40.2	41.7	41.0	N/A	40.0	40.1	41.0	41.2	42.1
Average hourly manufacturing¹ earnings, incl. overtime (Dollars)	1976	5.19	5.85	5.53	4.51	4.93	4.95	5.20	5.85	5.69	6.00	6.10
	1977	5.63	6.43	5.97	N/A	N/A	5.33	5.75	6.28	6.16	6.60	6.74
	1978	N/A	7.00	6.44	5.19	5.84	N/A	6.21	6.76	6.99	7.17	7.29
Labor union membership² Nonagricultural employment (%)	1970	27.9	21.1	28.9	11.9	17.9	16.6	35.9	35.7	21.4	35.5	36.4
	1974	26.2	21.2	25.3	11.0	15.1	14.1	32.3	34.9	28.7	33.2	33.2
	1976	28.9	22.3	28.7	13.2	19.4	18.6	33.0	34.3	32.3	33.4	35.8
Unemployment (%)	1975	8.5	5.7	5.9	4.9	5.5	4.9	7.3	8.3	7.0	8.8	8.5
	1976	8.4	4.0	5.9	3.4	3.3	4.2	6.2	6.5	5.6	6.1	7.8
	1978	6.0	4.0	3.9	2.7	2.5	2.7	4.7	5.5	5.2	5.5	5.6

Source: ¹Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May, 1979.
²Bureau of Labor Statistics, U.S. Department of Labor.

nonagricultural employment shows Iowa's versatility

(figures in 000's)

Industry	1960 Annual Average	1965 Annual Average	1970 Annual Average	1974 Annual Average	1975 Annual Average	1976 Annual Average	1977 Annual Average	1978 Annual Average
Total Nonagricultural	681.0	754.6	882.8	1,000.4	993.1	1,013.7	1,079.2	1104.5
Manufacturing	176.6	192.4	215.5	248.7	229.6	231.3	245.6	249.8
Durable goods	94.1	107.8	122.8	155.3	140.2	140.7	152.0	155.5
Lumber and furniture	7.5	6.5	8.2	9.7	8.2	8.6	9.6	9.8
Stone, clay and glass	6.8	6.5	6.7	6.9	6.2	6.1	7.6	7.3
Primary metal industries	6.4	8.0	8.5	9.1	7.6	7.4	8.1	8.8
Fabricated metal products	9.6	11.0	13.1	17.8	16.1	16.4	19.9	20.4
Machinery (except electrical)	33.6	41.3	44.6	63.6	58.9	57.6	62.0	63.6
Farm machinery	21.5	26.2	24.0	30.9	27.6	26.7	26.4	26.3
Construction and related machinery	5.0	6.1	9.0	18.6	18.5	18.1	20.7	22.0
Electrical equipment and supplies	19.4	22.7	23.7	27.1	24.5	25.0	25.5	25.1
Transportation equipment	2.2	2.7	5.6	8.8	7.9	8.8	9.8	10.2
Other durable goods[1]	8.6	9.1	12.4	12.2	10.9	10.8	9.4	10.3
Nondurable goods	82.5	84.6	92.7	93.4	89.3	90.6	93.6	94.3
Food and kindred products	53.4	51.5	54.4	51.5	48.3	49.0	48.4	47.3
Meat products	27.3	25.6	28.2	26.4	24.2	25.2	24.6	24.2
Grain mill products	8.8	9.4	10.9	11.0	11.0	11.1	10.9	10.7
Bakery products	NA	3.8	3.3	3.2	3.0	2.9	2.6	2.5
Apparel	3.8	3.9	4.0	4.0	3.9	4.3	4.3	4.4
Printing and publishing	11.9	12.3	13.6	14.7	14.8	15.0	16.1	17.2
Newspapers	6.0	6.2	6.6	6.5	6.5	6.5	7.0	7.3
Chemicals and allied products	5.1	6.1	7.5	6.9	7.2	7.0	7.8	7.9
Other nondurable goods[2]	1.2	1.3	1.8	2.3	1.9	1.9	2.3	2.3
Paper and allied products	2.2	2.9	3.6	4.0	3.5	3.9	4.0	4.1
Rubber and plastic products	4.8	6.6	7.8	10.0	9.9	9.4	10.8	11.0
Nonmanufacturing	504.4	562.2	667.3	751.7	763.5	782.4	833.6	854.7
Mining	3.3	3.3	3.0	3.0	2.8	2.7	2.5	2.3
Contract construction	36.6	37.4	40.6	48.1	46.5	46.8	57.6	57.6
Transportation and public utilities	53.6	49.6	51.1	55.8	54.7	54.8	55.0	55.8
Railroad transportation	15.7	12.5	10.1	9.7	9.0	8.9	8.8	8.4
Communication	12.9	11.5	12.5	13.3	13.4	13.2	13.3	13.7
Electric, gas and sanitary service	9.7	9.0	9.7	10.5	10.9	10.9	9.9	10.2
Wholesale and retail trade	169.8	185.6	209.2	242.2	245.0	252.4	275.4	281.6
Wholesale trade	42.4	43.8	44.1	49.0	50.4	52.0	72.6	72.5
Retail trade	127.5	141.8	165.2	193.2	194.5	200.4	202.8	209.1
Retail general merchandise	20.1	22.4	25.6	29.1	28.6	29.0	28.2	29.0
Finance, insurance and real estate	31.6	35.8	41.0	46.8	47.2	47.5	52.6	55.2
Banking	9.4	11.0	13.2	15.3	15.7	16.2	16.7	17.2
Insurance carriers, agents, and brokers	13.5	14.9	16.6	18.5	18.8	18.5	20.9	21.7
Service and miscellaneous	92.6	111.9	146.7	170.7	176.5	182.9	188.1	194.7
Medical and other health services	26.3	34.1	44.3	53.4	57.1	59.7	68.2	71.4
Government	116.9	138.5	175.7	185.1	190.8	195.3	202.5	207.6

[1] Includes ordnance and accessories, instruments and related products, and miscellaneous manufacturing

[2] Includes textile mill products, petroleum and coal products, and leather and leather products

Place of Work Concept Method by which an employed individual is counted in the area where he works regardless of the area where he lives

Source: Research and Statistics Division, Job Service of Iowa.

Iowa factory workers[a] earn good, not excessive, hourly wages

Industry	1965 Average	1967 Average	1970 Average	1974 Average	1975 Average	1976 Average	1977 Average	1978 Average
Manufacturing	$2.78	$3.01	$3.70	$4.91	$5.40	$5.85	6.43	$7.00
Durable goods	2.76	2.96	3.60	4.96	5.45	5.91	6.51	7.03
Lumber and furniture	2.13	2.35	2.99	4.12	4.44	4.82	5.35	5.70
Stone, clay and glass products	2.62	2.79	3.53	4.52	5.02	5.69	6.19	6.82
Primary metal industries	3.08	3.23	3.81	5.31	5.73	6.40	7.29	7.98
Fabricated metal products	2.51	2.65	3.35	4.51	4.84	5.20	5.52	6.16
Machinery except electrical	3.14	3.40	4.05	5.77	6.36	6.93	7.83	8.35
Farm machinery	3.36	3.65	4.27	6.12	6.88	7.32	8.16	8.73
Construction and related machinery	2.89	3.09	4.02	5.99	6.54	7.32	8.30	8.85
Electrical equipment and supplies	2.43	2.64	3.26	4.18	4.59	5.08	5.44	6.01
Transportation equipment	2.39	2.65	3.15	3.82	4.17	4.35	4.73	5.25
Other durable goods	2.39	2.74	3.26	3.85	4.18	4.44	4.69	5.04
Nondurable goods	2.82	3.10	3.82	4.81	5.32	5.76	6.32	6.96
Food and kindred products	2.90	3.21	4.04	5.16	5.75	6.29	6.95	7.70
Meat products	3.30	3.67	4.59	5.78	6.43	6.92	7.67	8.53
Grain-mill products	2.89	3.12	3.80	5.01	5.77	6.37	6.93	7.52
Apparel and other textile products	1.60	1.87	2.26	2.70	2.85	3.10	3.36	3.70
Paper and allied products	b.	b.	2.94	4.10	4.55	4.84	5.28	5.75
Printing and publishing	2.86	3.19	3.86	4.62	5.03	5.48	5.87	6.41
Newspapers	3.04	3.44	4.15	4.68	5.03	5.31	5.84	5.85
Chemicals and allied products	2.88	3.09	3.72	4.92	5.44	5.81	6.46	6.97
Rubber and plastics products, nec.	b.	b.	4.17	4.96	5.37	5.61	5.22	6.89
Other nondurable goods	2.94	3.03	2.09	2.49	2.61	3.13	3.84	4.10

a. Estimates are based upon a sample of full or part-time production and related employees, who worked or received pay in the above industry groups during the week containing the 12th. Average hourly earnings reflect, in addition to changes in basic and incentive wage rates, such variable factors as overtime premium pay, late shift work, changes in output of workers paid on an incentive basis, and changing employment of workers, between relatively high-paid and low-paid work, and full-time status. Based on 1967 Standard Industrial Classification.

b. Included in "other nondurable goods."

Source: Research and Statistics Division, Job Service of Iowa.

Iowa keeps its work force working

(Averages for metropolitan areas)

TOTAL

Area	Labor Force (000) 1975*	Labor Force (000) 1977*	Labor Force (000) 1978	Unemployed Rate 1975*	Unemployed Rate 1977*	Unemployed Rate 1978	Non-Agriculture Employment (000) 1975*	Non-Agriculture Employment (000) 1977	Non-Agriculture Employment (000) 1978
IOWA	1,315.4	1,348.8	1,419.0	4.2	3.3	4.0	967.5	1,035.1	1,362.0
Cedar Rapids	77.1	78.7	84.6	3.8	3.2	3.4	66.3	75.8	81.7
Des Moines	160.7	164.2	108.2	4.4	3.3	3.4	138.2	159.6	173.1
Dubuque	41.5	41.9	44.6	5.6	4.5	5.4	33.9	40.6	42.3
Sioux City	57.1	56.3	56.9	4.0	3.7	5.1	—	49.0	53.5
Waterloo—Cedar Falls	60.5	61.3	66.8	5.4	3.6	4.1	50.8	56.7	63.6

MANUFACTURING

Area	Employment (000) 1975*	Employment (000) 1977	Employment (000) 1978	Average Weekly Hours 1975	Average Weekly Hours 1977	Average Weekly Hours 1978	Average Weekly Earnings 1975	Average Weekly Earnings 1977	Average Weekly Earnings 1978
IOWA	299.6	238.5	249.8	39.7	40.1	40.1	$214.38	$257.84	$280.70
Cedar Rapids	26.9	28.0	28.9	40.4	40.2	41.2	217.35	254.47	287.16
Des Moines	24.3	23.5	25.6	39.0	38.8	38.5	224.25	267.33	281.82
Dubuque	15.7	16.2	16.9	38.7	40.5	40.2	251.22	321.98	338.08
Sioux City	12.6	10.7	9.8	38.8	38.8	39.7	188.57	212.80	249.71
Waterloo—Cedar Falls	20.4	19.1	22.2	40.1	41.7	42.6	267.87	334.02	372.75

* Adjusted to the Current Population Survey.

— Data not available.

Source: Research and Statistics Division, Job Service of Iowa.

Iowa has modest turnover *(Annual rate per 100 workers in some typical industries)*

Accessions

	1965	1967	1970	1973	1974	1975	1976	1977	1978
Manufacturing	4.0	4.4	3.6	4.7	4.3	3.2	3.6	3.4	3.5
Durable goods	3.9	4.1	2.8	4.4	3.8	2.7	3.4	3.0	3.1
Stone, clay and glass	3.8	5.3	3.5	4.5	4.8	3.3	3.8	4.3	3.8
Primary metals	3.7	4.0	2.6	4.9	4.2	2.2	3.1	3.6	3.5
Fabricated metals	4.1	4.7	4.6	6.2	5.6	3.6	4.4	4.2	3.6
Machinery except electrical	3.8	2.7	2.5	3.3	3.1	2.1	2.5	2.3	2.4
Electrical equipment	3.8	4.3	2.4	4.7	3.6	2.6	3.5	2.2	2.4
Other durable goods	3.4	5.8	2.6	5.1	4.4	3.5	4.4	4.5	4.4
Nondurable goods	4.0	4.9	4.7	5.1	4.9	4.1	4.1	3.9	4.1
Food and kindred products	4.2	5.0	5.8	6.1	5.1	4.7	4.3	3.9	4.4
Meat products	a.	a.	a.	8.4	5.9	5.7	5.4	4.7	5.5
Printing and publishing	3.4	3.6	2.7	3.0	3.5	2.9	3.3	3.8	3.9
Rubber, plastics and leather	b.	b.	3.7	4.4	5.4	3.5	4.1	4.2	3.9
Other nondurable goods	3.9	6.2	3.9	4.3	5.2	3.5	4.0	3.6	3.6

Separations

	1965	1967	1970	1973	1974	1975	1976	1977	1978
Manufacturing	3.6	4.5	4.4	4.1	4.3	3.8	3.3	3.2	3.3
Durable goods	3.1	4.2	4.0	3.6	3.9	3.7	3.0	2.8	3.0
Stone, clay and glass	4.7	5.0	4.2	4.2	4.8	3.9	3.4	4.6	3.9
Primary metals	3.0	4.3	3.4	4.2	4.2	4.4	2.7	2.8	3.0
Fabricated metals	3.1	4.6	5.2	5.5	5.9	5.1	3.4	3.4	3.9
Machinery except electrical	2.9	3.3	3.5	2.6	2.7	3.1	2.3	2.0	2.3
Electrical equipment	2.4	4.5	3.9	3.5	3.8	3.1	3.8	2.2	2.5
Other durable goods	3.0	4.3	4.5	4.2	5.0	4.4	3.8	4.2	3.9
Nondurable goods	4.2	4.9	4.9	4.9	5.0	3.9	3.7	3.9	3.4
Food and kindred products	4.6	5.0	5.5	6.0	5.3	4.4	3.9	4.1	4.2
Meat products	a.	a.	a.	8.2	6.3	5.5	4.6	5.2	5.2
Printing and publishing	3.1	3.4	3.2	2.8	3.4	2.7	3.0	3.4	3.3
Rubber, plastics and leather	b.	b.	4.5	4.3	5.3	4.0	3.5	4.0	3.6
Other nondurable goods	4.0	5.8	4.6	4.1	5.5	3.5	3.8	3.5	3.7

a. Included in "Food and Kindred Products" prior to 1971
b. Included in "Other Nondurable Goods" prior to 1969
Source: Job Service of Iowa, Research and Statistics Division

Iowa is an overnight trip to one-fourth of nation's population; has beelines to seaports

Iowa is an ideal distribution point.

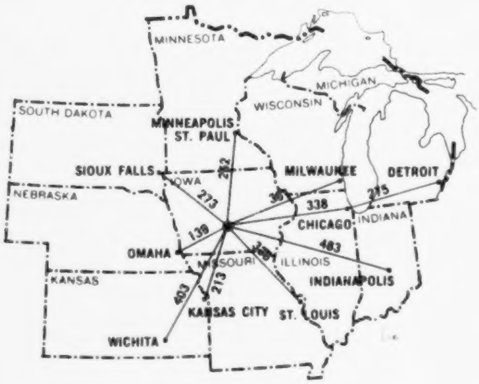
Only a day away are Chicago, Twin Cities, St. Louis, Kansas City, Milwaukee, Omaha, and Wichita—plus the many wealthy markets in between.

A rig can reach the farthest point in America in only three days; a train can do it in four.

The nation's two transcontinental interstate highways intersect in Iowa. The state is served by all major truck lines and "double bottoms" are legal. You can reach the sea by water or road.

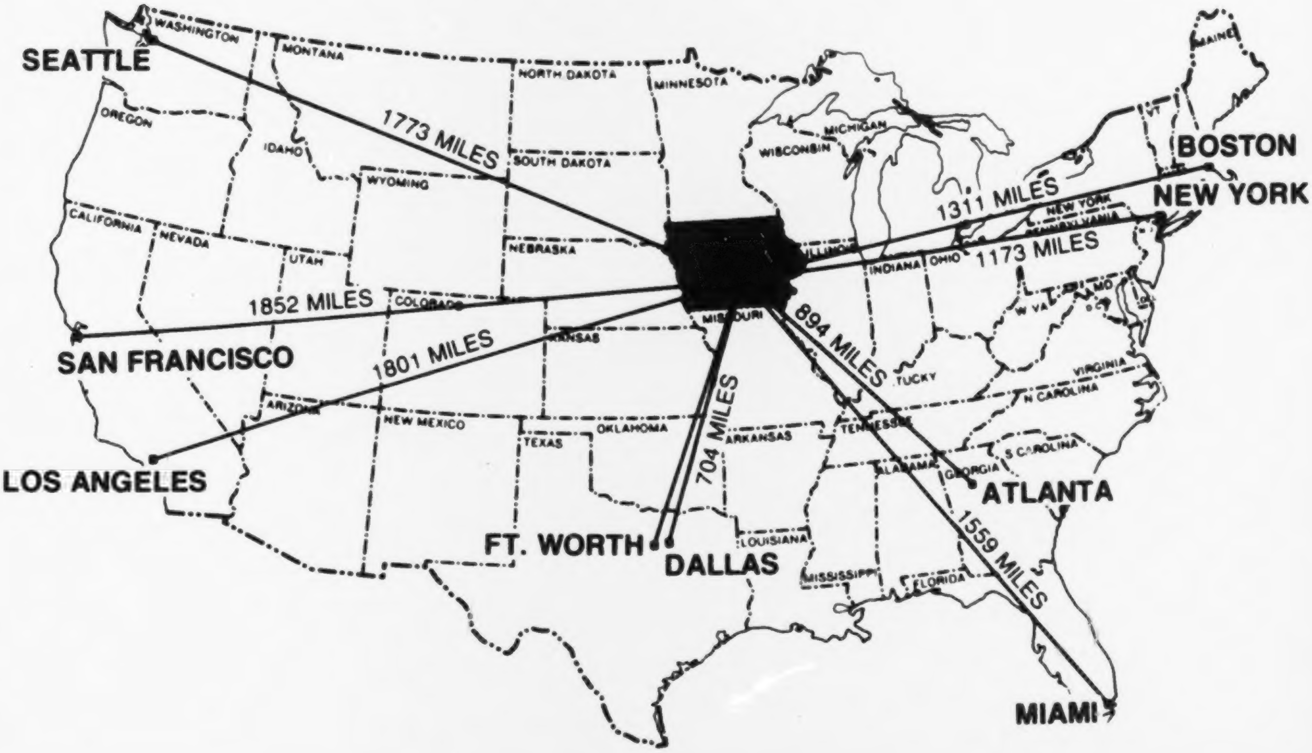
Add Iowa's transportation advantages to its "Open Port Warehousing" (page 5) and you have the perfect combination for moving products.

DISTANCE FROM CENTRAL IOWA TO URBAN CENTERS IN TEN-STATE REGIONAL MARKET



MINNESOTA
MICHIGAN
WISCONSIN
SOUTH DAKOTA
MINNEAPOLIS ST. PAUL
SIOUX FALLS
IOWA
MILWAUKEE
DETROIT
NEBRASKA
232
273
36
338
215
CHICAGO
INDIANA
139
OMAHA
MISSOURI
ILLINOIS
483
INDIANAPOLIS
KANSAS
403
213
KANSAS CITY
ST. LOUIS
WICHITA

America's most depression-proof market, with 47 million people and 65,000 factories.



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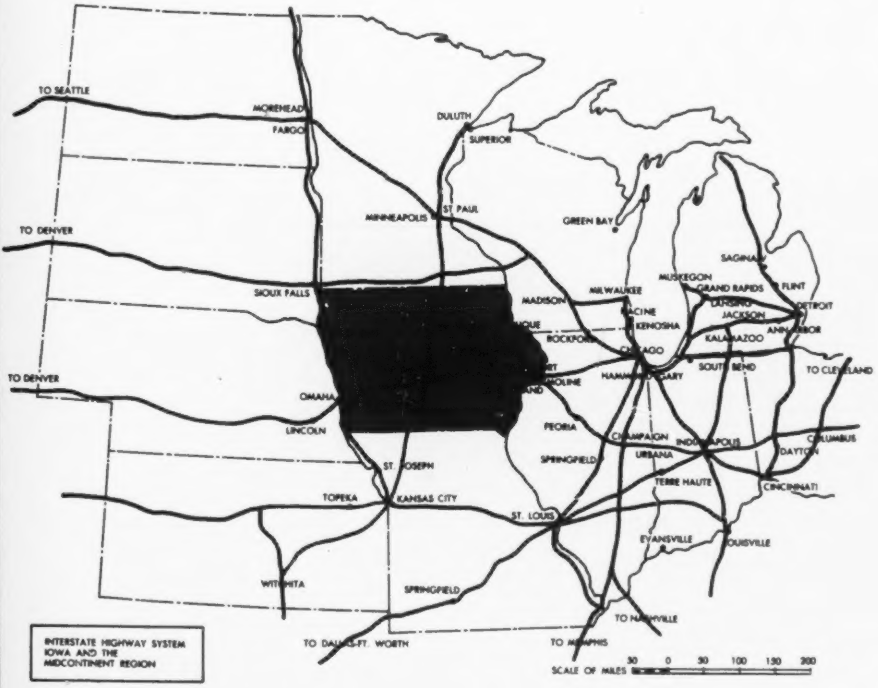
MONTANA
SEATTLE
NORTH DAKOTA
MINNESOTA
MAINE
OREGON
1773 MILES
IDAHO
SOUTH DAKOTA
WISCONSIN
MICHIGAN
BOSTON
WYOMING
1311 MILES
NEW YORK
NEW YORK
CALIFORNIA
NEVADA
NEBRASKA
UTAH
ILLINOIS
INDIANA
OHIO
1173 MILES
1852 MILES
COLORADO
MISSOURI
894 MILES
SAN FRANCISCO
1801 MILES
KANSAS
W VA
MD
KENTUCKY
VIRGINIA
N CAROLINA
ARIZONA
NEW MEXICO
OKLAHOMA
704 MILES
TENNESSEE
TEXAS
ARKANSAS
S CAROLINA
LOS ANGELES
ALABAMA
GEORGIA
ATLANTA
FT. WORTH
DALLAS
LOUISIANA
MISSISSIPPI
FLORIDA
1559 MILES
MIAMI

Iowa transportation



INTERSTATE HIGHWAY SYSTEM
IOWA AND THE MIDCONTINENT REGION

Iowa is ahead of 41 other states in miles of roads, even though it is only twenty-fifth in area.

Aside from its interstate highways, Iowa's extensive internal road system is based on a "farm-to-market" philosophy that reflects the urgency of moving the vast agricultural production.

Those same roads and highways, constantly updated, now also serve the industries that have been established in all parts of Iowa since World War II.

You can drive to Boston from Iowa's western border without hitting a stop sign.

how Iowa gets around—land and air

Railroads	
Class I Miles of Road—Dec. 1978	6,963
Motor Vehicle Registration—1978	2,531,965
Auto	1,531,190
Trucks	527,287
Motorcycles	160,136
Truck Tractors	6,505
Airports—Public and Private	355
All Weather Runways	88
Lighted Runways	133

Iowa Highway and Road Mileage—Jan. 1, 1979	
Portland cement	11,936.30
Asphalt paved	19,749.30
Bituminous treated	3,316.69
Gravel or stone	71,285.26
Not surfaced	6,021.33
Total	112,308.88
Municipal	13,388.64
Rural	98,615.08
State Parks & Inst. Roads	305.16

Source: Iowa Department of Transportation

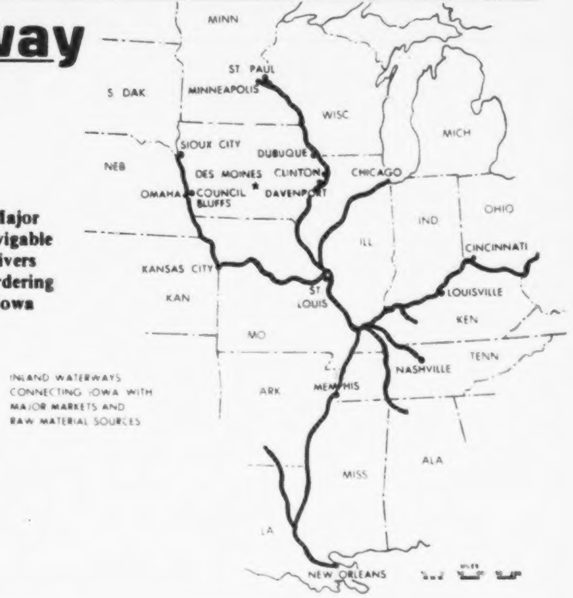
goes everywhere everyway

Iowa has water routes to the seas, industrial centers

Iowa is the *only* state bordered by two navigable rivers. Goods can go by water as far east as Pennsylvania, west to Oklahoma, and to seaports on the Gulf and Great Lakes.

The Missouri River from Sioux City to the Mississippi has a controlled 8½ ft. depth and 250 ft. width. It is being expanded to 9 ft. and 300 ft.

About 29,300,000 tons of cargo moved on the Mississippi past Davenport in 1978. It included more than 16 million tons of grain, more than 4 million tons of coal and more than 2 million tons of petroleum.


MINN
ST. PAUL
MINNEAPOLIS
S. DAK
WISC
MICH
SIOUX CITY
DUBUQUE
NEB
DES MOINES
CLINTON
CHICAGO
OMAHA
COUNCIL BLUFFS
DAVENPORT
IND
OHIO
ILL
CINCINNATI
KANSAS CITY
ST. LOUIS
LOUISVILLE
KAN
KEN
MO
TENN
NASHVILLE
INLAND WATERWAYS CONNECTING IOWA WITH MAJOR MARKETS AND RAW MATERIAL SOURCES
ARK
MEMPHIS
ALA
MISS
LA
NEW ORLEANS

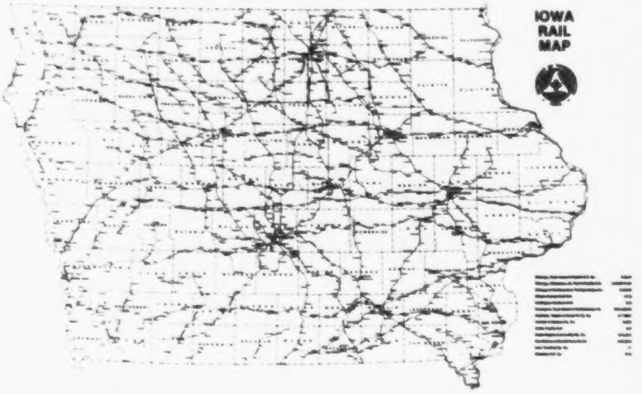
Major navigable rivers bordering Iowa

Iowa railroads reliable

Iowa leads 46 other states in miles of track. No community is isolated from rail service.

Iowa has about 9,000 railroad employees, with eight Class I and six Class II railroads and more than 7,000 miles of track.

Class I railroads serving Iowa offer "piggyback" service. Shipments can reach about one-fourth of the nation in a day, the farthest point in about four.

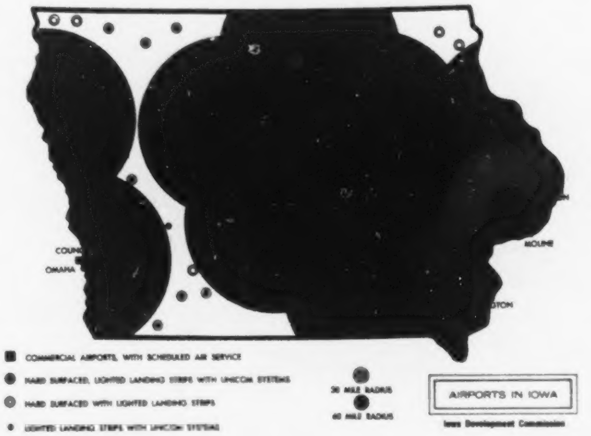

IOWA RAIL MAP

MAJOR RAILROADS SERVING IOWA

You can blanket Iowa by air

Iowa has 355 public and private airports. Of these, 88 have all-weather runways and 133 are lighted. Almost 3,000 general aircraft are in use in Iowa.

Iowa has four first-level airlines (American, Braniff, Hughes Airwest, United), two second-level (North Central, Ozark), and ten third-level or "feeder" lines.


COMMERCIAL AIRPORTS, WITH SCHEDULED AIR SERVICE
HARD SURFACED, LIGHTED LANDING STRIPS WITH UNICOM SYSTEMS
HARD SURFACED WITH LIGHTED LANDING STRIPS
LIGHTED LANDING STRIPS WITH UNICOM SYSTEMS
30 MILE RADIUS
60 MILE RADIUS
AIRPORTS IN IOWA
Iowa Development Commission

Next four pages show scope of Iowa transportation

revenue freight originating on class 1 railroads, Iowa (tons)

Code No.	Commodity	1967	1970	1975	1976	1977	1978
01	Farm Products	6,594,827	10,950,353	10,571,249	11,177,465	8,936,676	13,095,181
08	Forest Products	50			61	—	31
09	Fresh Fish	474	592	216	83	—	—
10	Metallic Ores	623	1,597	308	2,878	822	476
11	Coal	608,077	548,202	243,922	392,466	232,466	274,473
13	Crude Petroleum	336	2,013	—	200	86	—
14	Nonmetallic Minerals	2,278,296	2,084,640	1,876,412	1,832,342	1,670,820	1,665,242
19	Ordnance and Accessories	112,806	115,309	51,292	30,476	20,188	14,136
20	Food and Kindred Products	7,431,136	7,737,795	7,138,873	7,589,440	7,482,911	7,347,526
21	Tobacco Products	269	54	18	74	61	30
22	Basic Textiles	1,182	1,018	722	2,276	1,318	855
23	Apparel and Finished Textile	3,690	444	54	48	565	20
24	Lumber and Wood Products	172,484	165,503	94,892	100,449	76,147	74,728
25	Furniture and Fixtures	22,188	31,973	27,299	30,246	31,879	32,399
26	Pulp, Paper and Allied Products	102,117	114,831	100,392	100,732	94,086	90,029
27	Printed Matter	42,367	40,719	27,387	21,803	22,353	23,804
28	Chemical and Allied Products	1,393,263	1,929,577	1,644,805	1,805,381	1,715,441	1,809,772
29	Petroleum and Coal Products	177,477	227,352	85,736	94,074	92,315	86,358
30	Rubber and Miscellaneous Plastic	35,605	110,663	93,208	83,405	58,789	50,778
31	Leather and Leather Products	355	2,161	94	44	934	220
32	Stone, Clay, Glass Products	2,925,747	2,062,995	1,187,516	1,307,164	1,421,240	1,309,144
33	Primary Metal Products	214,707	229,061	166,447	177,195	213,687	221,029
34	Fabricated Metal Products	82,960	80,117	54,569	54,286	60,319	65,351
35	Machinery Except Electrical	213,547	173,756	165,762	132,092	133,178	112,047
36	Electrical Machinery	113,961	166,603	154,534	141,865	65,238	58,048
37	Transportation Machinery	25,078	28,674	27,392	25,681	49,046	89,804
38	Instruments, Optical Products	156	301	—	0	59	136
39	Miscellaneous Manufacturing Products	1,239	1,938	2,455	2,223	2,855	1,858
40	Wasted Scrap Materials	379,301	504,531	579,930	610,264	664,880	627,712
41	Miscellaneous Freight Shipments	8,827	9,312	5,826	2,282	3,023	9,250
42	Container, Returned Empty	30,093	32,756	17,323	15,164	13,318	11,223
44	Freight Forwarder Traffic	844	3,078	406	991	4,437	8,430
45	Shipper Associate or Similar Traffic	397	1,438	11,306	8,371	6,311	7,308
46	Miscellaneous Mixed Shipments	26,237	41,408	87,611	125,584	183,108	195,893
	Grand Total Carload	23,000,716	27,400,765	24,417,956	25,867,105	23,258,556	27,283,291
47	Small Packaged Freight Shipments	6,041	8,866	1,660	2,658	1,916	2,003
	Carload and LCL Traffic	23,006,757	27,409,631	24,419,616	25,869,763	23,260,472	27,285,294

revenue freight terminating on class 1 railroads, Iowa (tons)

Code No	Commodity	1967	1970	1975	1976	1977	1978
01	Farm Products	6,098,438	5,849,797	5,318,918	5,415,552	4,283,930	3,408,115
08	Forest Products	6,484	18,405	19,592	17,676	25,789	20,639
09	Fresh Fish	20,620	14,594	9,126	8,365	7,863	8,265
10	Metallic Ores	74,928	49,587	8,016	10,502	20,756	33,496
11	Coal	3,077,387	3,402,527	4,071,743	5,390,153	5,681,879	6,937,659
13	Crude Petroleum	274	2,224	224	2,877	18,164	1,432
14	Nonmetallic Minerals	2,642,300	2,459,163	2,352,562	2,209,593	2,081,476	2,085,320
19	Ordnance and Accessories	56,901	78,220	37,285	17,591	1,866	1,004
20	Food and Kindred Products	2,222,532	2,455,156	1,765,620	1,895,358	1,971,139	1,798,441
21	Tobacco Products	2,135	4,209	6,907	6,662	4,458	4,324
22	Basic Textiles	17,306	16,886	18,893	14,326	16,225	9,478
23	Apparel and Finished Textile	3,874	905	476	278	642	718
24	Lumber and Wood Products	678,543	627,922	545,636	619,728	612,017	579,967
25	Furniture and Fixtures	18,098	24,031	20,097	19,462	14,604	13,596
26	Pulp, Paper and Allied Products	618,441	756,008	685,197	818,515	742,509	822,147
27	Printed Matter	4,786	6,019	9,493	3,663	2,717	530
28	Chemical and Allied Products	2,720,422	3,209,320	3,362,749	3,428,907	3,428,745	3,590,964
29	Petroleum and Coal Products	520,527	462,522	440,687	346,609	363,154	304,774
30	Rubber and Miscellaneous	42,308	68,369	47,288	54,198	61,965	51,227
31	Leather and Leather Products	582	2,528	196	225	255	158
32	Stone, Clay, Glass Products	1,774,557	840,991	633,174	598,811	575,094	502,659
33	Primary Metal Products	666,911	700,010	484,711	635,911	726,549	717,321
34	Fabricated Metal Products	185,250	161,217	117,788	117,784	56,699	50,411
35	Machinery Except Electrical	92,382	67,346	57,804	40,958	27,338	22,255
36	Electrical Machinery	35,881	49,500	27,671	21,181	17,230	21,874
37	Transportation Machinery	175,062	186,929	252,591	290,860	283,400	291,115
38	Instruments, Optical Products	420	867	509	690	398	103
39	Miscellaneous Manufacturing Products	1,722	2,474	1,382	1,086	1,048	745
40	Wasted Scrap Materials	320,549	367,445	313,510	348,020	422,459	563,833
41	Miscellaneous Freight Shipments	10,166	7,530	4,102	1,204	4,869	3,297
42	Container, Returned Empty	6,175	6,087	8,019	8,164	7,412	9,781
44	Freight Forwarder Traffic	8,365	12,325	2,628	3,223	2,497	793
45	Shipper Associate of Similar Traffic	17,119	4,588	13,653	19,206	13,704	13,349
46	Miscellaneous Mixed Shipments	54,993	103,996	115,415	98,435	93,903	88,295
	Grand Total Carload	22,176,438	22,140,697	20,753,662	22,465,782	21,572,752	21,959,681
47	Small Packaged Freight Shipments	7,705	6,231	5,232	3,850	1,180	1,596
	Carload and LCL Traffic	22,184,143	22,146,928	20,758,894	22,469,632	21,573,932	21,961,277

Source: Iowa State Commerce Commission Annual Report, 1967-1974. Iowa Department of Transportation, Advance Planning Section.

class 1 motor freight carriers[1], Iowa intrastate

	1973	1974	1975	1976	1977	1978
Total miles operated in Iowa	84,546,683	54,976,140	55,407,309	50,082,898	49,832,080	44,678,342
Tons hauled	1,727,823	773,548	438,343	274,966	203,251	263,279
Gasoline consumed (gals.)	2,249,138	1,893,823	1,572,725	1,638,960	4,663,267	N/A
Diesel fuel consumed (gals.)	12,604,970	8,170,205	5,746,254	5,192,327	1,774,427	3,956,586
Oil consumed (gals.)	118,866	71,413	52,040	54,709	52,365	N/A
Accidents	118	661	368	604	N/A	N/A

[1] Freight motor carriers with revenues exceeding $200,000.
Source: Iowa Department of Transportation.

class 1 liquid motor carriers[1], Iowa intrastate

	1973	1974	1975	1976	1977	1978
Total miles operated in Iowa	27,379,528	25,544,939	26,213,806	22,840,315	21,199,405	21,492,736
Tons hauled	18,591,915	4,956,080	4,426,064	4,396,672	5,123,669	5,642,101
Gasoline consumed (gals.)	56,542	60,667	67,698	222,447	N/A	N/A
Diesel fuel consumed (gals.)	3,777,485	3,160,478	5,285,541	4,086,717	4,447,594	7,623,691
Motor oil consumed (gals.)	32,339	35,630	46,228	35,685	N/A	N/A
Accidents	174	26	128	122	N/A	N/A

[1] Liquid motor carriers with revenues exceeding $200,000.
Source: Iowa Department of Transportation.

class 1 railroads[1], Iowa

	1960	1965	1970	1975	1976	1977	1978
Miles of road within the State	8,301	8,154	7,963	7,457	7,250	7,041	6,963
Tons of revenue freight carried within the State	89,663,657	101,803,715	93,916,708*	112,680,340	118,044,542	122,568,000	134,630,000

[1] Class 1 railroads are those having revenues of $50 million and over per year.
Source: Iowa Commerce Commission, Annual Reports, 1960, 1965, 1970.
Data after 1975 obtained from Iowa Department of Transportation, Advance Planning Section.

class 1 passenger motor carriers[1], Iowa

	1960	1965	1970	1975	1976	1977	1978
Passenger motor bus miles in Iowa	8,715,633	9,550,434	11,015,445	10,549,970	9,897,288	10,677,405	10,712,963
Total revenue passengers carried in Iowa	1,457,524	1,211,394	1,267,331	1,388,463	1,265,882	1,439,808	1,244,396
Motor fuel consumed (gals.)	N/A	968,062	1,736,537	1,578,252	1,511,585	1,728,510	1,509,700
Motor oil consumed (gals.)	N/A	16,810	39,344	15,761	14,824	N/A	N/A

[1] Passenger Motor Carriers with revenues exceeding $200,000.
Source: Iowa Department of Transportation.

unofficial navigation tonnage

	1970 (tons)	1973 (tons)	1974 (tons)	1975 (tons)	1976 (tons)	1977 (tons)	1978 (tons)
Missouri River:							
Traffic—Sioux City to Omaha							
Grain	93,112	67,671	133,842	34,146	79,559	126,558	228,384
Food & Kindred Products	113,243	115,740	72,714	119,090	260,610	205,930	141,023
Chemicals	118,198	55,674	69,602	138,149	95,294	120,545	97,058
Other	48,765	55,076	45,693	64,029	61,185	61,312	50,151
Total	373,318	294,161	321,851	355,414	496,648	514,345	516,616
Mississippi River:							
Traffic—Rock Island District							
Grain	9,022,300	12,284,720	13,548,650	12,054,324	14,278,410	13,209,885	16,757,603
Coal	6,401,355	4,414,260	4,434,350	4,932,500	3,842,030	4,584,700	4,168,450
Petroleum	2,708,721	1,945,900	2,233,074	2,100,053	2,212,265	2,747,044	2,519,879
Other	4,278,094	4,666,062	4,758,706	5,418,246	5,325,024	5,850,135	5,830,900
Total	22,410,470	23,310,942	24,964,780	24,505,123	25,657,729	26,391,764	29,276,832

Source: "Summary of 1978 Missouri River Navigation," U.S. Army Corps of Engineers, Missouri River Division, Rock Island District of U.S. Army Corps of Engineers.

Iowa road construction, summary of contracts approved

Fiscal Year	Primary Roads	Interstate Roads	State Parks and Institutional Roads	Farm to Market Roads	Total
7-1-61 to 6-30-62	$ 22,417,356	$19,496,717	$ 360,102	$19,799,192	$ 62,073,368
7-1-62 to 6-30-63	30,350,268	21,551,554	939,127	24,366,536	77,207,486
7-1-63 to 6-30-64	43,187,627	35,842,586	303,426	22,721,379	102,055,019
7-1-64 to 6-30-65	25,171,981	31,077,640	121,606	21,730,757	78,101,985
7-1-65 to 6-30-66	38,449,469	57,713,523	868,415	23,740,849	120,772,257
7-1-66 to 6-30-67	47,508,849	52,000,455	485,417	26,354,687	126,349,410
7-1-67 to 6-30-68	33,889,646	31,241,967	1,088,633	25,657,851	91,878,099
7-1-68 to 6-30-69	37,199,319	43,705,878	1,141,888	27,332,571	109,379,657
7-1-69 to 6-30-70	54,797,875	47,081,770	629,922	26,248,892	128,758,461
7-1-70 to 6-30-71	71,516,579	44,568,497	921,445	30,401,417	147,407,939
7-1-71 to 6-30-72	77,174,848	30,055,936	834,473	28,922,870	136,988,128
7-1-72 to 6-30-73	56,389,721	20,572,545	727,417	29,055,532	106,745,216
7-1-73 to 6-30-74	73,580,000	51,147,000	1,360,000	32,310,000	158,710,905
7-1-74 to 6-30-75	93,693,469	28,921,887	839,234	38,643,382	162,097,972
7-1-75 to 6-30-76	74,349,436	24,923,643	655,277	31,019,921	130,948,279
7-1-76 to 6-30-77	99,076,327	43,357,379	679,271	33,989,926	177,102,904
7-1-77 to 6-30-78	121,110,115	15,007,379	805,732	45,051,623	181,974,849
7-1-78 to 6-30-79	105,277,146	54,518,440	1,437,092	47,287,367	208,520,045

Source: Iowa Department of Transportation, Contracts

traffic fatality rates midwest states

	Traffic Deaths		Traffic Deaths per 100,000,000 vehicle miles	
State	1976	1977	1976	1977
U.S.	47,038	49,500	3.3	3.4
Iowa	785	639	3.8	3.1
Illinois	2,073	2,170	3.2	3.3
Kansas	563	562	3.5	3.4
Minnesota	809	856	3.0	3.1
Missouri	1,209	1,207	3.7	3.6
Nebraska	402	350	3.4	2.8
S. Dakota	224	211	4.1	3.7
Wisconsin	947	945	3.1	3.0

Source: National Safety Council: "Accident Facts," 1978.

motor vehicle registrations, Iowa

	1960	1965	1970	1973	1974	1975	1976	1977	1978
Autos	1,074,094	1,241,090	1,387,368	1,473,312	1,497,497	1,528,511	1,584,953	1,617,707	1,531,190
Trucks	240,791	293,473	374,080	435,863	468,015	498,049	501,294	560,610	527,287
Truck Tractors	7,372	6,731	7,406	12,222	12,631	12,651	20,026	12,335	6,505
Motorcycles	11,068	25,778	60,835	118,545	138,021	148,669	151,131	159,503	160,136
Semi-Trailers	126,051[1]	7,817	9,841	13,252	14,589	16,364	38,170	18,661	20,185
Regular Trailers	—	89,125	113,242	135,975	145,838	159,505	169,580	180,270	171,751
Travel Trailers	—	16,834	39,013	53,149	56,426	60,505	64,909	68,172	64,977
Mobile Homes	—	34,619	48,720	68,828	73,475	76,095	78,620	81,326	49,934
Total Registrations	1,459,376	1,747,150	2,075,805	2,311,146	2,393,542	2,506,722	2,608,683	2,698,584	2,531,965
Official Registrations				44,136[2]	47,238	39,800	41,097	NA	NA
Total				2,355,282	2,454,764	2,546,522	2,649,780	2,698,584	2,531,965

[1] Figure for total trailers.

[2] Distribution of official registrations by type of vehicle not available for previous years.

Source: Iowa Department of Transportation, Motor Vehicle Registration Reports for 1960, 1965, 1970, 1974-1978.

motor vehicle registration, 1978

County	License Number Prefix	Total Registrations[1]
Adair	1	10,708
Adams	2	6,859
Allamakee	3	15,646
Appanoose	4	15,738
Audubon	5	9,278
Benton	6	24,379
Black Hawk	7	128,256
Boone	8	28,207
Bremer	9	24,334
Buchanan	10	22,386
Buena Vista	11	22,138
Butler	12	18,913
Calhoun	13	14,776
Carroll	14	22,455
Cass	15	18,762
Cedar	16	19,971
Cerro Gordo	17	47,922
Cherokee	18	18,093
Chickasaw	19	15,453
Clarke	20	8,851
Clay	21	21,077
Clayton	22	21,234
Clinton	23	53,144
Crawford	24	19,143
Dallas	25	31,698
Davis	26	8,542
Decatur	27	9,309
Delaware	28	17,673
Des Moines	29	45,890
Dickinson	30	17,911
Dubuque	31	74,527
Emmet	32	14,882
Fayette	33	24,979
Floyd	34	20,729
Franklin	35	15,097
Fremont	36	10,667
Greene	37	14,277
Grundy	38	15,806
Guthrie	39	13,320
Hamilton	40	19,961
Hancock	41	15,266
Hardin	42	23,307
Harrison	43	16,753
Henry	44	19,871
Howard	45	11,600
Humboldt	46	14,569
Ida	47	9,876
Iowa	48	16,673
Jackson	49	21,812
Jasper	50	38,481
Jefferson	51	15,556
Johnson	52	63,650
Jones	53	19,492
Keokuk	54	14,305
Kossuth	55	24,747
Lee	56	41,484
Linn	57	154,962
Louisa	58	13,178
Lucas	59	10,898
Lyon	60	13,358
Madison	61	13,964
Mahaska	62	23,613
Marion	63	28,164
Marshall	64	43,278
Mills	65	12,607
Mitchell	66	12,856
Monona	67	13,621
Monroe	68	9,616
Montgomery	69	13,990
Muscatine	70	39,269
O'Brien	71	17,829
Osceola	72	9,147
Page	73	18,105
Palo Alto	74	13,761
Plymouth	75	23,805
Pocahontas	76	13,077
Polk	77	276,744
Pottawattamie	78	76,662
Poweshiek	79	19,995
Ringgold	80	7,248
Sac	81	15,898
Scott	82	137,451
Shelby	83	15,659
Sioux	84	28,122
Story	85	57,067
Tama	86	20,933
Taylor	87	9,026
Union	88	13,995
Van Buren	89	9,163
Wapello	90	39,265
Warren	91	33,858
Washington	92	20,797
Wayne	93	9,120
Webster	94	46,099
Winnebago	95	15,268
Winneshiek	96	19,990
Woodbury	97	89,931
Worth	98	9,782
Wright	99	17,742
County Total		2,819,346
Non-Resident		17,444
Total		2,836,790

[1] Does not include non-resident registrations.

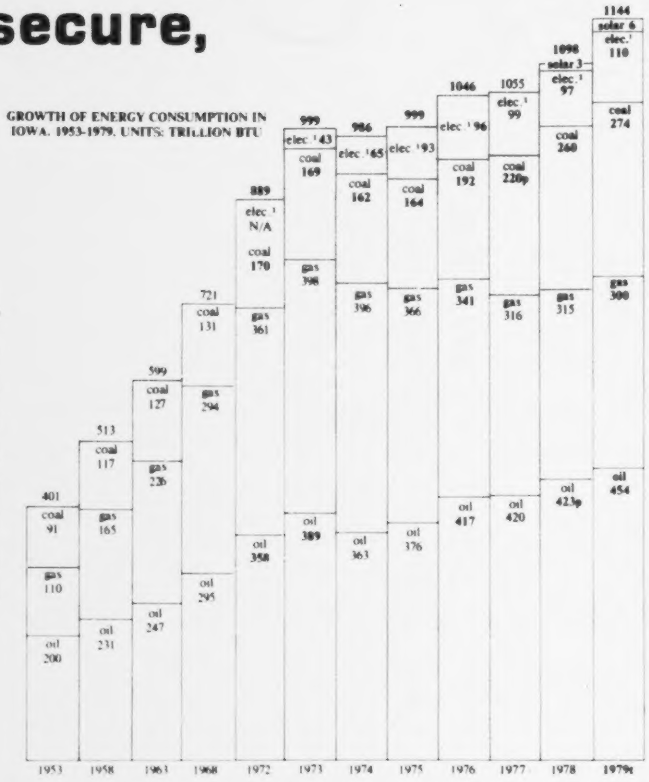
Source: Iowa Department of Transportation, Motor Vehicle Registration Division.

Iowa energy supply secure, ample to absorb growth

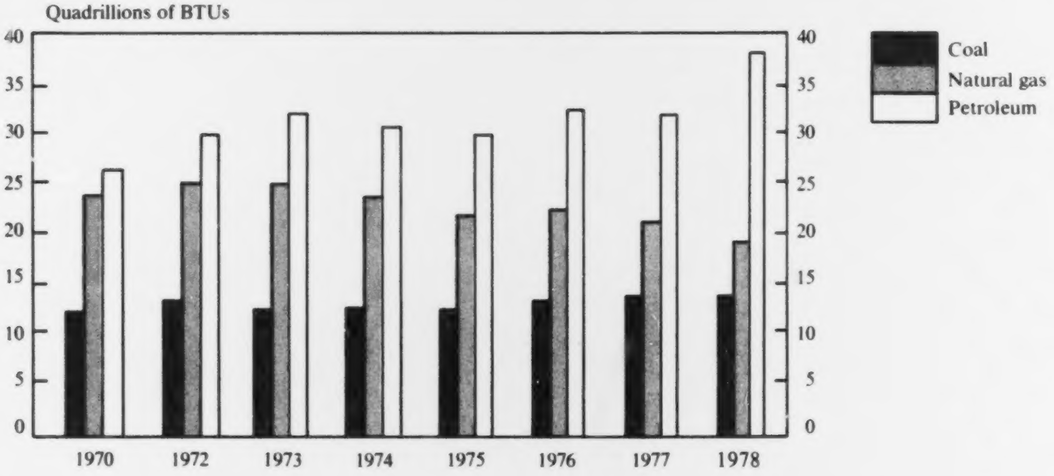
	Oil	Gas	Coal	Elec.[1]	Solar	Total
1972	358	361	170	N/A	—	889
1973	389	398	169	43	—	999
1974	363	396	162	65	—	986
1975	376	366	164	93	—	999
1976	417	341	192	96	—	1046
1977	420	316	220p	99	—	1055
1978	423p	315	260	97	3	1098
1979t	454	300	274	110	6	1144

[1]Electricity from hydroelectric and nuclear power plants.
p = preliminary
t = trend

Source: Iowa Energy Policy Council.


GROWTH OF ENERGY CONSUMPTION IN IOWA, 1953-1979, UNITS: TRILLION BTU

U.S. energy consumption, by source



Source: Charts prepared by U.S. Bureau of Census.
Data from U.S. Energy Information Administration.

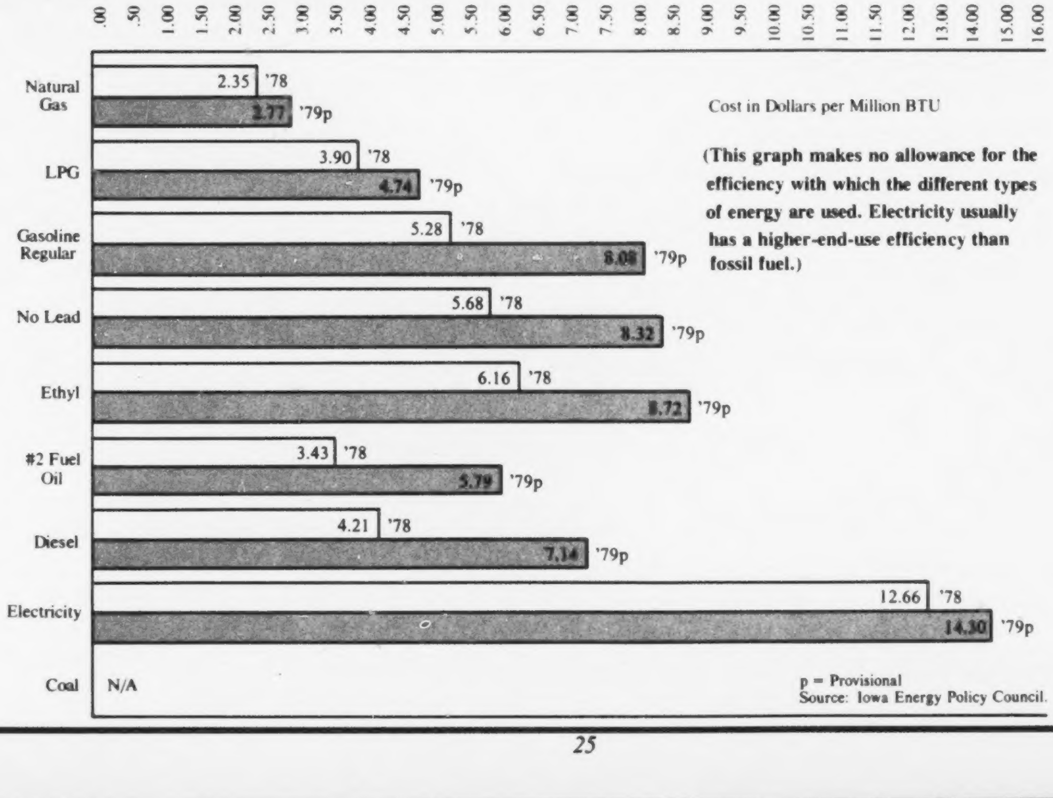
Energy use on Iowa farms

AMOUNT AND TYPE OF ENERGY CONSUMED IN 1977 AND 1978 BY IOWA FARMERS

Energy	Year	Diesel Million Gal.	Gasoline Million Gal.	L.P. Gas Million Gal.	Fuel Oil Million Gal.	Nat. Gas Billion Cu. Ft.	Electricity Million Kilowatts	Coal 000 Tons	Wood 000 Cords
TOTAL ENERGY	1978	171.4	372.6	216.9	54.8	13.6	2723.7	12.0	137.2
USED	1977	158.9	356.1	204.2	53.1	12.8	2536.0	11.2	119.8
% Previous Yr.		108	105	106	103	106	107	107	115
USAGE:									
Crop	1978	147.5	142.4	78.6	.3	1.4	393.8	—	—
Production	1977	134.5	127.6	67.9	.2	.9	272.1	—	—
Livestock	1978	20.1	54.7	50.3	3.3	.5	926.1	.2	8.0
Production[1]	1977	20.7	54.5	52.6	7.1	.4	962.0	.1	7.7
General	1978	3.4	86.3	4.4	.9	.1	208.6	.1	3.0
Farm Use[2]	1977	3.3	85.0	3.6	.8	.1	141.3	.1	2.9
Non-Farm	1978	.4	89.2	83.6	50.3	11.6	1195.2	11.7	126.2
Use[3]	1977	.4	89.0	80.1	45.0	11.4	1160.6	11.0	109.2
Total Gen. &	1978	3.8	175.5	88.0	51.2	11.7	1403.8	11.8	129.2
Non-Farm Use	1977	3.7	174.0	83.7	45.8	11.5	1301.9	11.1	112.1

[1] Includes livestock, dairy, and poultry production.
[2] Includes energy uses in agriculture production but cannot be identified between crops and livestock uses.
[3] Includes fuel and electricity used in non-agricultural production uses, such as farm home, pleasure, and non-farm business
Source: Iowa Energy Policy Council, Iowa Department of Agriculture.

Cost of fuels to Iowa residential customers, fall 1978 to fall 1979

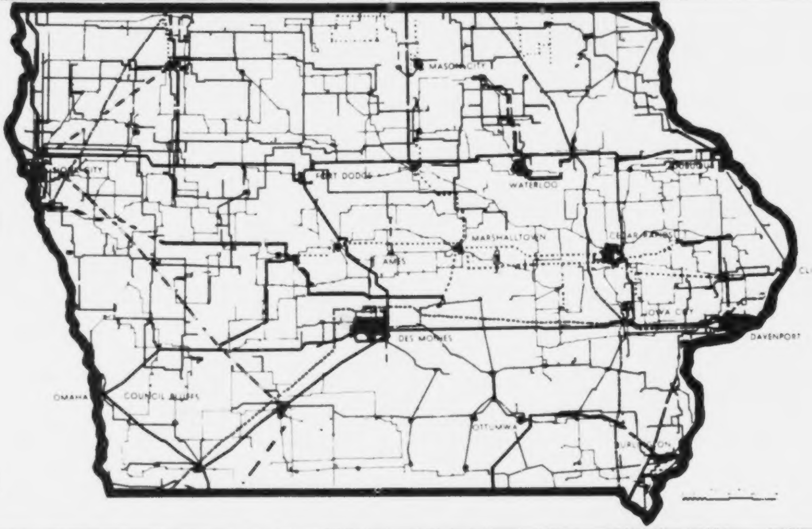


Cost in Dollars per Million BTU

(This graph makes no allowance for the efficiency with which the different types of energy are used. Electricity usually has a higher-end-use efficiency than fossil fuel.)

p = Provisional
Source: Iowa Energy Policy Council.

electric consumers protected by strong backup system



IOWA'S ELECTRIC GRID SYSTEM

typical residential electric bills, 1979

Communities of 2,500 Population and More

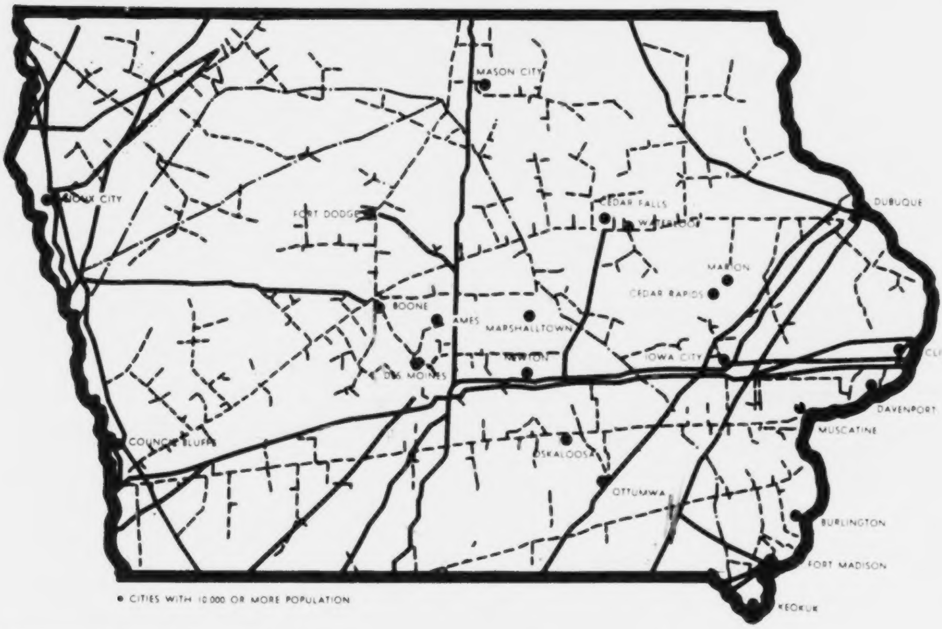
	Lighting, Appliances, Refrigeration, Cooking and Water Heating		
	500 KWH	750 KWH	1,000 KWH
Adel[1]	23.22	32.69	43.15
Adel[2]	23.22	32.69	43.95
Albia[1]	21.75	31.82	40.90
Albia[2]	21.75	31.82	41.90
• Algona	28.16	39.91	51.66
Altoona[1]	23.22	32.69	43.15
Altoona[2]	23.22	32.69	43.95
• Ames	30.88	44.80	58.72
Anamosa[1]	25.60	35.61	44.93
Anamosa[2]	25.60	36.36	46.93
Ankeny[1]	23.22	32.69	43.15
Ankeny[2]	23.22	32.69	43.95
• Atlantic	20.85	31.09	41.08
Audubon	25.02	36.23	48.78
Belle Plaine[1]	25.60	35.61	44.93
Belle Plaine[2]	25.60	36.36	46.93
Bettendorf[1]	22.87	33.80	45.82
Bettendorf[2]	22.87	33.80	47.50
+• Bloomfield	22.87	31.75	39.65
Boone[1]	25.60	35.61	44.93
Boone[2]	25.60	36.36	46.93
Burlington	18.78	27.57	37.71
Camanche[1]	22.87	33.80	45.82
Camanche[2]	22.87	33.80	47.50
• Carlisle	26.20	37.50	48.00
Carroll	25.02	36.23	48.78
• Carter Lake[1]	19.19	25.71	31.72
• Carter Lake[2]	22.19	31.01	38.77
• Cedar Falls[1]	25.50	36.75	46.00
• Cedar Falls[2]	26.50	36.75	48.00
Cedar Rapids[1]	25.60	35.61	44.93
Cedar Rapids[2]	25.60	36.36	46.93
Centerville	18.78	27.57	37.71
Chariton	18.78	27.57	37.71
Charles City	25.02	36.23	48.78
Cherokee	25.02	36.23	48.78
Clarinda[1]	23.22	32.69	43.15
Clarinda[2]	23.22	32.69	43.95
Clarion	25.02	36.23	48.78
Clear Lake	27.28	39.30	52.58
Clinton	25.50	36.64	49.22
Clive	23.22	32.69	43.15
Clive	23.22	32.69	43.95
Coralville[1]	22.87	33.80	45.82
Coralville[2]	22.87	33.80	47.50
Council Bluffs[1]	23.22	32.69	43.15
Council Bluffs[2]	23.22	32.69	43.95
Cresco	27.28	39.30	52.58
Creston	18.78	27.57	37.71
Davenport[1]	22.87	33.80	45.82
Davenport[2]	22.87	33.80	47.50
De Witt[1]	25.60	35.61	44.93
De Witt[2]	25.60	36.36	46.93
Decorah	27.28	39.30	52.58
• Denison	14.40	19.15	23.90
Des Moines[1]	23.45	33.02	43.58
Des Moines[2]	23.45	33.02	44.39
Dubuque	25.50	36.64	49.22
Dyersville	27.28	39.30	52.58
Eagle Grove	25.02	36.23	48.78
Eldora[1]	25.60	35.61	44.93
Eldora[2]	25.60	36.36	46.93
• Eldridge[1]	26.98	39.13	51.28
• Eldridge[2]	27.80	40.70	53.60
Emmetsburg	25.02	36.23	48.78
• Estherville	28.29	38.79	48.89
Evansdale	25.02	36.23	48.78
Fairfield[1]	25.60	35.61	44.93
Fairfield[2]	25.60	36.36	46.93
• Forest City	22.00	30.00	37.50
Fort Dodge[1]	22.87	33.80	45.82
Fort Dodge[2]	22.87	33.80	47.50
Fort Madison[1]	18.46	26.54	35.67
Fort Madison[2]	18.46	27.05	37.03
Garner[1]	25.60	35.61	44.93
Garner[2]	25.60	36.36	46.93
Glenwood[1]	23.22	32.69	43.15
Glenwood[2]	23.22	32.69	43.95
Grinnell	18.78	27.57	37.71
• Grundy Center	32.50	44.75	57.00
Hampton	25.02	36.23	48.78
+• Harlan	17.40	23.15	28.90
+• Hawarden	14.10	20.60	27.95
Hiawatha[1]	25.60	35.61	44.93
Hiawatha[2]	25.60	36.36	46.93
Humboldt	25.02	36.23	48.78
• Independence	30.05	42.83	55.60
• Indianola	22.71	31.97	41.22
Iowa City[1]	22.87	33.80	45.82
Iowa City[2]	22.87	33.80	47.50
Iowa Falls[1]	25.60	35.61	44.93
Iowa Falls[2]	25.60	36.36	46.93
Jefferson[1]	25.60	35.61	44.93
Jefferson[2]	25.60	36.36	46.93
Keokuk[1]	18.46	26.54	35.67
Keokuk[2]	18.46	27.05	37.03
Knoxville[1]	23.22	32.69	43.15
Knoxville[2]	23.22	32.69	43.95
+• Lamoni	25.88	34.88	42.38
Le Claire[1]	22.87	33.80	45.82
Le Claire[2]	22.87	33.80	47.50
Le Mars	25.02	36.23	48.78
Manchester[1]	25.60	35.61	44.93
Manchester[2]	25.60	36.36	46.93
Maquoketa[1]	25.60	35.61	44.93
Maquoketa[2]	25.60	36.36	46.93
• Maquoketa[1]	26.67	37.54	47.72
• Maquoketa[2]	26.67	38.29	49.72
Marion[1]	25.60	35.61	44.93
Marion[2]	25.60	36.36	46.93
Marshalltown[1]	25.60	35.61	44.93
Marshalltown[2]	25.60	36.36	46.93
Mason City	26.40	37.90	50.48
Missouri Valley[1]	23.22	32.69	43.15
Missouri Valley[2]	23.22	32.69	43.95
Monticello[1]	25.60	35.61	44.93
Monticello[2]	25.60	36.36	46.93
• Mount Pleasant	26.45	36.45	45.45
Mount Vernon[1]	25.60	35.61	44.93
Mount Vernon[2]	25.60	36.36	46.93
• Muscatine	16.10	22.63	29.50
Nevada[1]	25.60	35.61	44.93
Nevada[2]	25.60	36.36	46.93
• New Hampton	29.24	41.75	54.27
Newton	18.78	27.57	37.71
Oelwein	27.28	39.30	52.58
• Onawa	18.25	25.13	32.00
• Orange City	17.90	25.15	32.40
• Osage	24.10	34.90	44.70
Osceola	19.01	27.80	37.94
Oskaloosa[1]	23.22	32.69	43.15
Oskaloosa[2]	23.22	32.69	43.95
Ottumwa	18.78	27.57	37.71
• Pella	18.94	27.19	36.56
Perry[1]	25.60	35.61	44.93
Perry[2]	25.60	36.36	46.93
Red Oak[1]	23.22	32.69	43.15
Red Oak[2]	23.22	32.69	43.95
• Rock Rapids	17.62	24.50	30.50
Sac City	25.02	36.23	48.78
Sheldon	25.02	36.23	48.78
Shenandoah[1]	23.22	32.69	43.15
Shenandoah[2]	23.22	32.69	43.95
• Sibley	16.45	22.85	28.85
• Sioux Center	19.09	26.72	34.34
Sioux City	25.52	36.95	49.76
• Spencer	18.00	25.50	33.00
Spirit Lake[1]	25.60	35.61	44.93
Spirit Lake[2]	25.60	36.36	46.93
Storm Lake	25.02	36.23	48.78
• Story City[1]	27.83	36.43	45.03
• Story City[2]	27.83	37.91	47.98
Tama[1]	25.60	35.61	44.93
Tama[2]	25.60	36.36	46.93
• Tipton	26.52	38.47	50.03
Urbandale[1]	23.22	32.69	43.15
Urbandale[2]	23.22	32.69	43.95
• Vinton	28.35	40.18	52.00
Washington	18.78	27.57	37.71
Waterloo	25.02	36.23	48.78
Waukon	27.28	39.30	52.58
• Waverly	22.00	31.38	40.75
• Webster City	29.02	41.07	53.12
West Burlington	18.78	27.57	37.71
West Des Moines[1]	23.22	32.69	43.15
West Des Moines[2]	23.22	32.69	43.95
West Union	27.28	39.30	52.58
Windsor Heights[1]	23.22	32.69	43.15
Windsor Heights[2]	23.22	32.69	43.95
• Winterset	24.50	35.50	46.50

[1] = Winter.
[2] = Summer.
• = Served by Public Utility.

+ = No change in bills from previous report.
Source: Typical Electric Bills, January 1, 1979, Energy Information Administration, U.S. Department of Energy.

no Iowa areas isolated from energy

served by three strong interstate gas pipeline systems


MASON CITY
SIOUX CITY
FORT DODGE
CEDAR FALLS
WATERLOO
DUBUQUE
MARION
CEDAR RAPIDS
BOONE
AMES
MARSHALLTOWN
NEWTON
DES MOINES
IOWA CITY
CLINTON
DAVENPORT
MUSCATINE
COUNCIL BLUFFS
OSKALOOSA
OTTUMWA
BURLINGTON
FORT MADISON
KEOKUK
● CITIES WITH 10,000 OR MORE POPULATION

PIPELINES SERVING IOWA

——— CRUDE OIL or PETROLEUM PRODUCTS
—·—·— ANHYDROUS AMMONIA
– – – – NATURAL GAS (Northern Natural, National Gas Pipeline of America, Michigan-Wisconsin Pipeline Co.)

	Residential			[illegible]			Industrial			[illegible]		
	1967	1977	1978	[illegible]	[illegible]	[illegible]	1967	1977	1978	[illegible]	[illegible]	[illegible]
Customers (000)	520	632	640	[illegible]	75	76	2	2	2	582	[illegible]	719
Sales (Trillion BTU)	83.8	91	94	[illegible]	[illegible]	57	112.2	120	111.1	252.3	268	263
Revenues ($000,000)	76	176	216	[illegible]	[illegible]	114	38	161	183	147	431	516
Average Monthly Revenues Per Customer	$12.18	$23.21	$28.13	[illegible]	$100	$125	$1,583.33	$6,708	$7,625	—	—	

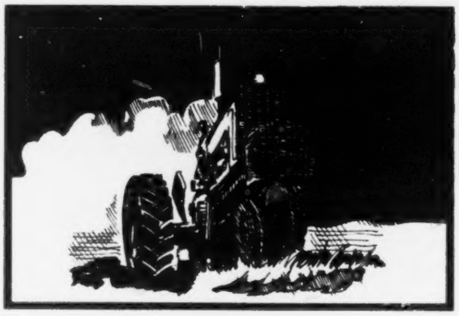
Source: American Gas Association "Gas Facts" 1979 edition.

electric utility industry — Iowa

	[illegible]		1970		[illegible]		1975		[illegible]		1977		[illegible]	
	[illegible]	[illegible]	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	[illegible]	[illegible]	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	[illegible]	[illegible]	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	[illegible]	[illegible]
Residential	[illegible]	[illegible]	$157,430	6,262	[illegible]	[illegible]	$268,653	8,226	[illegible]	[illegible]	$360,579	8,993	[illegible]	[illegible]
Commercial and Industrial	[illegible]	[illegible]	147,654	8,553	[illegible]	[illegible]	288,457	11,282	[illegible]	[illegible]	403,663	13,103	[illegible]	[illegible]
Street and Highway Lighting	[illegible]	[illegible]	5,887	183	[illegible]	[illegible]	8,542	208	[illegible]	[illegible]	10,353	224	[illegible]	[illegible]
Other Public	[illegible]	[illegible]	4,128	232	[illegible]	[illegible]	7,411	301	[illegible]	[illegible]	10,839	334	[illegible]	[illegible]
Interdepartmental	[illegible]	[illegible]	428	26	[illegible]	[illegible]	502	31	[illegible]	[illegible]	721	34	[illegible]	[illegible]
Railroad and Railways											3	—	3	—

Source: "Statistical Yearbook of the Electric Utility Industry," Edison Electric Institute.

Iowa farming a diverse industry



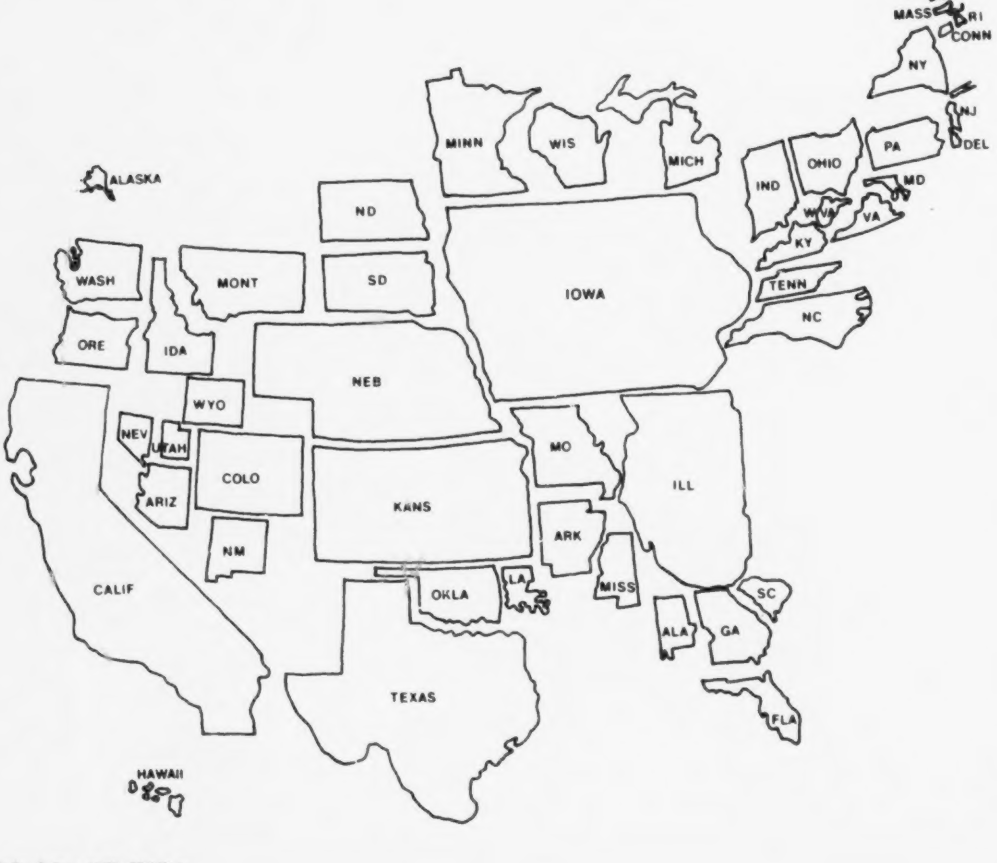
Modern farming goes far beyond mere planting and harvesting of crops or breeding and feeding livestock. In itself, farming involves production, processing, manufacturing, servicing, utilization and marketing.

Farm products also are essential to a host of "non farm" industries—pharmaceuticals, chemicals, textiles, petroleum and dozens of other "factory" products.

Iowa farmers produce more than $7 billion in crops and livestock each year—about one-fourth of America's pork and 12% of the nation's grain-fed beef.

Iowa is truly the heartland of American agriculture.

the U.S. would look like this if states were sized according to value of farm production


ME
VT
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KY
ALASKA
ND
SD
IOWA
TENN
NC
WASH
MONT
ORE
IDA
NEB
WYO
NEV
UTAH
COLO
MO
ILL
ARIZ
KANS
ARK
NM
LA
MISS
SC
CALIF
OKLA
ALA
GA
FLA
TEXAS
HAWAII

Source: "The Farm Index," Apr. 1975, U.S.D.A.

realized gross and net income from farming, Iowa (millions)

			Realized Gross Income						
Year	Cash Receipts From Farm Marketings	Government Payments	Non-money Income	Other Farm Income	Realized Gross Farm Income	Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories	Total Net Farm Income
1960	$2,480.8	$ 20.8	$132.3	$11.8	$2,645.6	$1,943.4	$ 702.2	−89.8	612.4
1965	3,061.1	228.8	150.4	21.1	3,461.5	2,462.1	999.4	87.0	1,086.4
1966	3,475.5	210.0	162.8	23.7	3,872.0	2,836.8	1,035.2	125.0	1,160.2
1967	3,467.9	142.8	169.7	28.8	3,809.3	2,937.3	872.0	41.6	913.6
1968	3,451.5	246.3	177.9	32.3	3,907.9	3,086.9	821.0	38.8	859.8
1969	3,872.1	260.4	190.0	36.0	4,358.4	3,217.7	1,140.7	−46.6	1,094.1
1970	4,139.8	235.8	188.6	34.7	4,599.0	3,464.0	1,135.0	−84.4	1,050.6
1971	3,972.1	203.5	196.0	41.3	4,412.8	3,627.0	785.9	35.6	821.4
1972	4,730.8	318.5	210.0	42.4	5,301.8	4,195.2	1,106.6	136.2	1,242.8
1973	6,989.8	186.2	234.7	52.4	7,463.1	5,112.8	2,350.8	300.1	2,650.4
1974	7,456.5	16.6	285.0	64.0	7,822.2	5,508.8	2,313.4	864.9	1,448.5
1975	6,494.5	53.1	336.1	80.6	6,964.3	5,923.8	1,040.5	591.2	1,631.7
1976r	7,090.8		407.2	88.7	7,613.5	6,544.0	1,069.5		883.1
1977r	6,886.2		561.8	102.2	7,579.1	7,013.1	566.0	424.9	990.9
1978	8,227.7	271.0	574.9	111.3	9,184.9	7,755.6	1,429.3	478.3	1,907.6

r Revised figures.
Source: State Farm Income Statistics, September, 1979, ERS, USDA.

population, number, average size, and ownership, Iowa farms[1]

Year	Population on Farms	Number of Farms	Average Size (Acres)	Total Land in Farms (1,000 Acres)	Owned by Operator % of Total	Rented by Operator % of Total
1960	667,823	183,000	190	34,700	50.8	49.2
1965	592,378	158,000	219	34,600	51.3	48.7
1970	520,131	145,000	237	34,400	52.8	47.2
1971	N/A	143,000	241	34,400	N/A	N/A
1972	N/A	141,000	243	34,300	N/A	N/A
1973	424,863	139,000	247	34,300	N/A	N/A
1974	N/A	138,000	249	34,300	52.2	47.8
1975	N/A	130,000	262	34,100	N/A	N/A
1976	N/A	127,000	269	34,100	N/A	N/A
1977	N/A	125,000	273	34,100	N/A	N/A
1978	N/A	123,000	276	34,000	N/A	N/A
1979	N/A	121,000	281	34,000	N/A	N/A

[1] A farm is defined as a place with annual sales of $1,000 or more of agricultural products.
Source: Iowa Crop and Livestock Reporting Service, USDA.

annual average wage rates[1] for selected farm workers, midwest 1978

	Field Workers	Livestock Workers	Field & Livestock Workers Combined	All Hired Farm Workers
IOWA	$2.88	$2.75	$2.61	$3.03
Minnesota	2.73	2.58	2.68	2.97
South Dakota	2.33	2.30	2.31	2.48
Nebraska	2.53	2.91	2.69	2.89
Kansas	3.02	2.90	2.95	3.39
Missouri	2.76	2.61	2.69	2.87
Illinois	2.90	2.97	2.93	3.17
Wisconsin	2.31	2.25	2.26	2.50
Indiana	2.63	2.78	2.71	3.06
Ohio	2.70	2.66	2.67	2.94
U.S.	2.92	2.68	2.84	3.07

[1] Dollars per hour.
Source: Farm Labor, February, 1979, Crop Reporting Board, ESCS, USDA.

ten leading states, selected agricultural items 1978

	Rank										Iowa % of
Item	1	2	3	4	5	6	7	8	9	10	U.S.
Number of farms[1]	Texas	IOWA	Mo.	Ill.	Minn.	N.C.	Ohio	Ky.	Wis.	Tenn.	5
Value of farm real estate — 1978	Texas	Ill.	IOWA	Cal.	Minn.	Ind.	Neb.	Ohio	Kans.	Mo.	8
Crops — 1978											
Total acreage of principal crops harvested	IOWA	Ill.	Minn.	Kans.	Texas	N.D.	Neb.	S.D.	Mo.	Ind.	7
Corn for grain	IOWA	Ill.	Neb.	Minn.	Ind.	Ohio	Wis.	Mo.	Mich.	S.D.	21
Corn for silage	IOWA	Wis.	Minn.	N.Y.	Neb.	Pa.	S.D.	Mich.	Colo.	Ill.	10
Oats	S.D.	Minn.	IOWA	N.D.	Wis.	Ohio	Neb.	Mich.	Pa.	N.Y.	11
Popcorn	Ind.	Neb.	Ohio	IOWA	Ill.	Ky.	Kans.	Mo.	Mich.	—	7
Soybeans for beans	Ill.	IOWA	Mo.	Minn.	Ind.	Ohio	Ark.	Miss.	La.	Tenn.	16
Alfalfa hay and mixtures	Wis.	Minn.	IOWA	S.D.	Cal.	Neb.	N.D.	Idaho	Mich.	Kans.	8
All hay	Wis.	Minn.	S.D.	IOWA	Neb.	Cal.	N.D.	Mo.	N.Y	Idaho	6
Grain Storage Facilities (1/1/79)	Kans.	Ill.	Texas	IOWA	Neb.	Minn.	Ind.	Ohio	Mo.	Okla.	10
Livestock Inventory											
January 1, 1979											
All cattle and calves	Texas	IOWA	Neb.	Kans.	Mo.	Okla.	Cal.	Wis.	S.D.	Minn.	7
Milk cows	Wis.	N.Y.	Cal.	Minn.	Pa.	Mich.	Ohio	IOWA	Texas	Mo.	3
Beef cows	Texas	Mo.	Okla.	Neb.	Kans.	IOWA	Mont.	S.D.	Fla.	Ky.	5
Cattle and calves on feed	Texas	Neb.	IOWA	Kans.	Colo.	Cal.	Ill.	S.D.	Ariz.	Minn.	12
Sheep and lambs on feed	Colo.	Cal.	Texas	Wyo.	Ore.	Ariz.	Neb.	[2]	[2]	Kans.	4
December 1, 1978											
Hogs	IOWA	Ill.	Ind.	[3]	[3]	Neb.	N.C.	Kans.	Ohio	Ga.	25
Livestock Production in 1978											
Cattle and calves production	Texas	Neb.	IOWA	Kans.	Okla.	Mo.	Colo.	Cal.	S.D.	Minn.	10
Calf crop	Texas	Mo.	IOWA	Okla.	Wis.	Neb.	Kans.	S.C.	Cal.	Mont.	5
Fed cattle marketed	Texas	IOWA	Neb.	Kans.	Colo.	Okla.	Cal.	Mo.	S.C.	Minn.	9
Commercial cattle slaughter	Texas	Neb.	IOWA	Kans.	Colo.	Cal.	Ill.	Minn.	Wis.	Mo.	10
Hog production	IOWA	Ill.	Ind.	Minn.	Mo.	Neb.	N.C.	Kans.	S.D.	Ohio	25
Pig crop	IOWA	Ill.	Minn.	Mo.	Ind.	Neb.	N.C.	Kans.	Wis.	S.D.	24
Commercial hog slaughter	IOWA	Ill.	Minn.	Mich.	Ohio	Neb.	Ind.	Mo.	Pa.	Va.	24
Sheep production	Texas	Cal.	Colo.	S.D.	Wyo.	Idaho	Utah	Oreg.	Mont.	IOWA	3
Commercial sheep slaughter	Colo.	Cal.	Texas	Ill.	S.D.	Mich.	Minn.	IOWA	Wash.	Pa.	4
Mink production	Wis.	Minn.	Utah	Ill.	Wash.	Oreg.	Idaho	Pa.	Ohio	IOWA	3
Egg-type chickens hatched	Cal.	Ga.	Fla.	Ind.	Ark.	Texas	Minn.	Pa.	IOWA	Mo.	4
Turkey production	Cal.	Minn.	N.C.	Mo.	IOWA	Pa.	Ark.	Texas	Colo.	Ind.	5
Turkeys raised	Minn.	N.C.	Cal.	Ark.	Mo.	Va.	Texas	IOWA	Wis.	Ind.	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	IOWA	Texas	Mo.	3
Creamery butter	Wis.	Minn.	Cal.	Pa.	IOWA	N.Y.	Ohio	Wash.	Mich.	Okla.	4
American cheese	Wis.	Minn.	IOWA	N.Y.	Idaho	Mo.	N.D.	Ky.	S.D.	Utah	4
Cheddar cheese	Wis.	Minn.	N.Y.	IOWA	Mo.	Utah	Idaho	S.D.	Tenn.	Miss.	4
Total cheese[4]	Wis.	Minn.	N.Y.	IOWA	Cal.	Pa.	Idaho	Ill.	Ohio	Mo.	5
Cash Receipts for 1978											
Crops	Cal.	Ill.	Texas	IOWA	Fla.	Minn.	N.C.	Ind.	Ohio	Neb.	5
Livestock	IOWA	Texas	Cal.	Neb.	Wis.	Kans.	Minn.	Ill.	Mo.	Colo.	9
Total	Cal.	IOWA	Texas	Ill.	Minn.	Neb.	Kans.	Wis.	Mo.	Ind.	7

[1] New definition — farms with annual sales of agricultural products of $1,000 or more.
[2] IOWA and Ohio tied for 8th place.
[3] Minnesota and Missouri tied for 4th place.
[4] Excludes cottage cheese.
Source: Iowa Crop and Livestock Reporting Service, November, 1979.

net income[1] per farm[2], midwest (dollars)

STATE	1960	1965	1970	1974	1975	1976	1977	1978
IOWA	$3,347	$6,896	$7,434	$10,497	$11,998	$ 6,644	$5,769	$11,166
Minnesota	2,918	4,124	6,772	13,151	9,186	5,332	9,563	12,930
South Dakota	4,668	5,600	6,941	12,964	10,498	4,963	5,257	12,968
Nebraska	3,534	5,141	6,442	8,169	14,707	6,859	5,301	9,734
Kansas	3,609	3,879	6,208	10,955	7,984	6,480	8,480	8,051
Missouri	2,163	3,072	2,955	4,005	4,438	2,304	4,077	8,340
Illinois	3,377	5,507	4,788	11,490	17,691	10,630	9,822	9,849
Wisconsin	2,802	3,939	5,273	6,910	7,428	6,695	8,780	11,677
Indiana	2,629	4,439	3,262	5,976	9,551	8,972	7,259	6,575
Ohio	2,168	2,592	3,224	6,216	6,536	5,992	5,874	5,270
U. S	2,907	3,843	4,790	9,232	8,637	7,203	7,439	10,037

[1] Excludes changes in inventories and represents income of farm operator.
[2] A farm is a place with annual sales of agricultural products of $1,000 or more.

Source: State Farm Income Statistics, ERS, USDA, September, 1979.

cash receipts from sale of farm produce, Iowa (thousands)

	[redacted]	[redacted]	1970	% of Total	[redacted]	[redacted]	1976	% of Total	[redacted]	[redacted]	1978	% of Total
All Commodities	[redacted]	[redacted]	$4,129,900	100.0	[redacted]	[redacted]	$7,090,839	100.0	[redacted]	[redacted]	$8,227,706	100.0
Livestock Products	[redacted]	[redacted]	2,853,411	69.1	[redacted]	[redacted]	4,000,779	56.4	[redacted]	[redacted]	5,418,191	65.8
Meat Animals	[redacted]	[redacted]	2,528,795	61.2	[redacted]	[redacted]	3,511,807	49.5	[redacted]	[redacted]	4,870,300	59.1
Cattle Calves	[redacted]	[redacted]	1,431,168	34.6	[redacted]	[redacted]	1,670,265	24.0	[redacted]	[redacted]	2,559,186	31.1
Hogs	[redacted]	[redacted]	1,074,409	26.0	[redacted]	[redacted]	1,827,407	25.8	[redacted]	[redacted]	2,297,056	27.9
Sheep Lambs	[redacted]	[redacted]	23,218	.5	[redacted]	[redacted]	14,135	.2	[redacted]	[redacted]	14,058	.1
Dairy Products	[redacted]	[redacted]	220,719	5.4	[redacted]	[redacted]	344,953	4.9	[redacted]	[redacted]	395,470	4.8
Misc. Livestock	[redacted]	[redacted]	7,094	.2	[redacted]	[redacted]	11,383	.17	[redacted]	[redacted]	13,898	.17
Poultry & Eggs	[redacted]	[redacted]	96,803	2.3	[redacted]	[redacted]	132,636	1.9	[redacted]	[redacted]	138,523	1.7
Crops	[redacted]	[redacted]	1,276,489	30.9	[redacted]	[redacted]	3,090,060	43.6	[redacted]	[redacted]	2,809,515	34.2
Food Grains	[redacted]	[redacted]	1,769	*	[redacted]	[redacted]	10,521	.15	[redacted]	[redacted]	3,776	.1
Wheat	[redacted]	[redacted]	1,697	*	[redacted]	[redacted]	10,301	.15	[redacted]	[redacted]	3,532	.1
Feed Crops	[redacted]	[redacted]	666,508	16.1	[redacted]	[redacted]	1,632,809	23.03	[redacted]	[redacted]	1,215,074	14.8
Corn	[redacted]	[redacted]	636,610	15.4	[redacted]	[redacted]	1,560,705	22.0	[redacted]	[redacted]	1,157,168	14.1
Oats	[redacted]	[redacted]	17,315	.5	[redacted]	[redacted]	39,824	.6	[redacted]	[redacted]	24,928	.3
Hay	[redacted]	[redacted]	11,613	.2	[redacted]	[redacted]	30,690	.43	[redacted]	[redacted]	31,576	.4
Sorghum Grain	[redacted]	[redacted]	921	.1	[redacted]	[redacted]	1,590	*	[redacted]	[redacted]	1,402	*
Oil Crops	[redacted]	[redacted]	582,092	14.1	[redacted]	[redacted]	1,399,518	19.7	[redacted]	[redacted]	1,543,482	18.8
Soybeans	[redacted]	[redacted]	582,036	14.0	[redacted]	[redacted]	1,399,518	19.7	[redacted]	[redacted]	1,543,482	18.8
Vegetables	[redacted]	[redacted]	6,218	.2	[redacted]	[redacted]	6,023	.1	[redacted]	[redacted]	6,359	.1
Fruits, Nuts	[redacted]	[redacted]	1,412	*	[redacted]	[redacted]	925	*	[redacted]	[redacted]	1,947	*
All Other Crops	[redacted]	[redacted]	18,490	.5	[redacted]	[redacted]	40,484	.6	[redacted]	[redacted]	39,121	.48

*Less than .05%.
Source: State Farm Income Statistics, U.S.D.A., E.R.S., September 1979.

federal farm payments by program, Iowa (thousands)

Program	1960	1970	1974	1975	1976	1977	1978
Conservation	$ 6,467	$ 8,832	$ 7,756	$ 7,233	$ 7,974	$ 7,682	$ 7,163
Sugar Act	39	50	—	—	—	—	—
Wool Act	2,006	1,523	—	—	—	—	—
Soil Bank	12,283	5	—	—	—	—	—
Feed Grain	—	221,294	7,756	44,286	17,423	16,414	213,088
Wheat	—	809	92	460	88	1,185	650
Cropland Adjustment	—	3,302	760	668	520	—	—
Drought and Flood	—	—	—	—	—	—	949
Miscellaneous	—	—	232	474	762	3,620	49,137
Total	20,795	235,815	16,596	53,121	26,767	28,901	270,987

Source: State Farm Income Statistics, U.S.D.A., E.S.C.S., Sеptemer 1979.

farm real estate average value of land and buildings per acre, midwest (dollars)

	1960	1965	1970	1973	1974	1975	1976	1977	1978[1]	1979[1]
Iowa	$257	$279	$392	$482	$648	$801	$1,009	$1,222	$1,268	$1,458
Minnesota	155	167	226	275	354	461	561	627	730	854
South Dakota	51	62	84	97	129	160	180	202	227	257
Nebraska	89	111	154	195	246	289	364	408	385	470
Kansas	101	123	159	203	265	314	349	384	380	437
Missouri	115	155	224	289	374	394	435	472	602	674
Illinois	316	372	490	590	788	952	1,184	1,497	1,581	1,786
Wisconsin	133	155	232	336	401	451	508	568	690	807
Indiana	264	311	420	512	629	783	952	1,154	1,303	1,498
Ohio	248	294	382	507	636	718	870	1,039	1,263	1,516
48 States	116	146	193	247	310	354	403	445	498	599

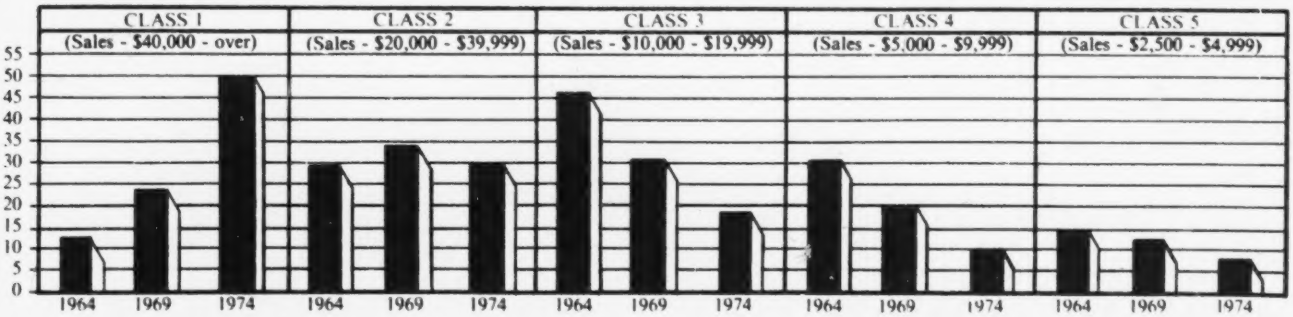
[1] Preliminary
Source: Farm Real Estate Market Developments, U.S.D.A., E.S.C.S., August 1979.

principal machines on Iowa farms

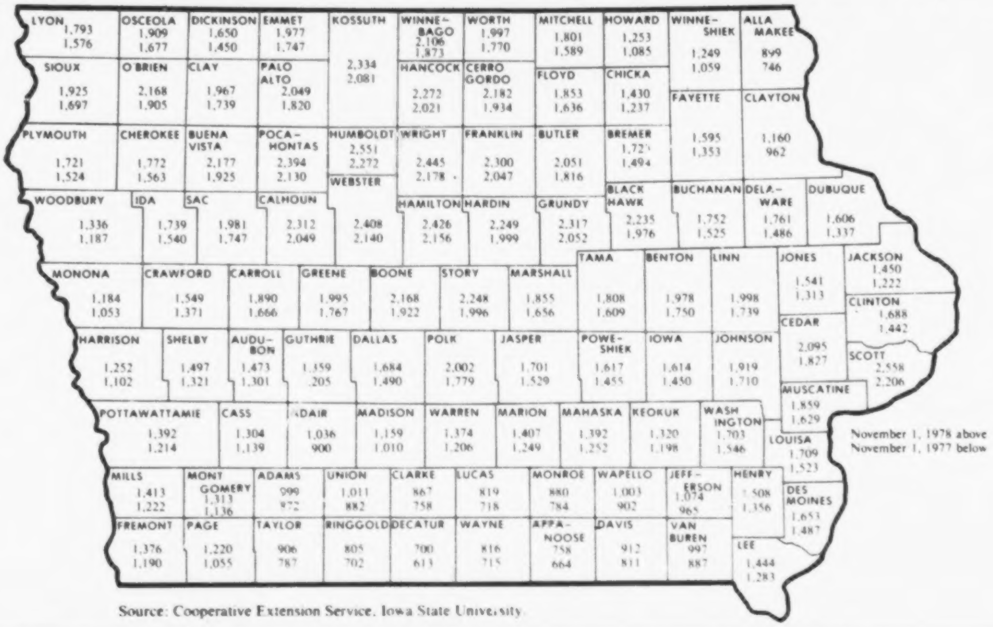
	1975	1976	1977	1978	1979
Wheel and Crawler Tractors	293,500	318,000	307,800	303,200	300,600
Garden and Tiller Tractors	29,400	30,000	—	N/A	N/A
Self-propelled Combines	36,000	38,200	45,100	44,800	45,500
Corn Pickers, Corn Heads & Picker-Shellers	88,800	88,100	45,000	46,800	49,000
Pick-up Balers	43,000	40,000	40,350	38,000	36,700
Side Delivery Rakes	89,800	88,500	87,800	87,000	86,400
Motor Trucks & Pickups	122,500	142,000	145,000	145,500	146,000
Power Elevators	167,000	170,500	174,000	175,800	179,000
Tractor Moldboard Plows	213,500	225,000	220,000	218,400	216,400
Field Forage Harvesters	20,400	20,000	24,500	24,400	24,280
Power Tractor Mowers	107,000	107,600	108,000	107,800	107,500
Internal Combustion Engines	43,000	39,000	37,200	36,200	34,700
Chain Saws	55,500	55,800	56,000	56,100	56,300
Manure Spreaders	112,000	110,000	107,600	105,100	103,300
Corn and Cotton Planters	106,700	107,200	106,100	105,400	104,300
Grain Drills	60,100	59,500	59,000	58,300	57,700
Hay Conditioners	20,600	22,000	23,000	24,300	25,370

N/A — not available.
Source: Principal Machines on Farms — Implement & Tractor, Nov. 7, 1979.

number of farms by economic class, Iowa

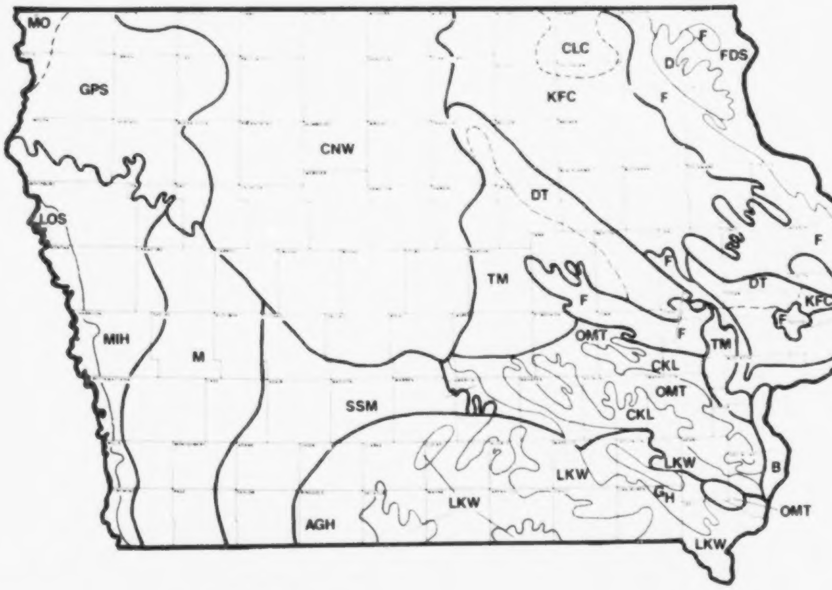


average value of farm land, November 1, 1978


LYON 1,793 1,576
OSCEOLA 1,909 1,677
DICKINSON 1,650 1,450
EMMET 1,977 1,747
KOSSUTH 2,334 2,081
WINNE-BAGO 2,106 1,873
WORTH 1,997 1,770
MITCHELL 1,801 1,589
HOWARD 1,253 1,085
WINNE-SHIEK 1,249 1,059
ALLA MAKEE 899 746
SIOUX 1,925 1,697
O'BRIEN 2,168 1,905
CLAY 1,967 1,739
PALO ALTO 2,049 1,820
HANCOCK 2,272 2,021
CERRO GORDO 2,182 1,934
FLOYD 1,853 1,636
CHICKA 1,430 1,237
FAYETTE 1,595 1,353
CLAYTON 1,160 962
PLYMOUTH 1,721 1,524
CHEROKEE 1,772 1,563
BUENA VISTA 2,177 1,925
POCA-HONTAS 2,394 2,130
HUMBOLDT 2,551 2,272
WRIGHT 2,445 2,178
FRANKLIN 2,300 2,047
BUTLER 2,051 1,816
BREMER 1,72 1,494
WEBSTER 2,408 2,140
WOODBURY 1,336 1,187
IDA 1,739 1,540
SAC 1,981 1,747
CALHOUN 2,312 2,049
HAMILTON 2,426 2,156
HARDIN 2,249 1,999
GRUNDY 2,317 2,052
BLACK HAWK 2,235 1,976
BUCHANAN 1,752 1,525
DELA-WARE 1,761 1,486
DUBUQUE 1,606 1,337
MONONA 1,184 1,053
CRAWFORD 1,549 1,371
CARROLL 1,890 1,666
GREENE 1,995 1,767
BOONE 2,168 1,922
STORY 2,248 1,996
MARSHALL 1,855 1,656
TAMA 1,808 1,609
BENTON 1,978 1,750
LINN 1,998 1,739
JONES 1,541 1,313
JACKSON 1,450 1,222
CLINTON 1,688 1,442
HARRISON 1,252 1,102
SHELBY 1,497 1,321
AUDU-BON 1,473 1,301
GUTHRIE 1,359 .205
DALLAS 1,684 1,490
POLK 2,002 1,779
JASPER 1,701 1,529
POWE-SHIEK 1,617 1,455
IOWA 1,614 1,450
JOHNSON 1,919 1,710
CEDAR 2,095 1,827
SCOTT 2,558 2,206
MUSCATINE 1,859 1,629
POTTAWATTAMIE 1,392 1,214
CASS 1,304 1,139
ADAIR 1,036 900
MADISON 1,159 1,010
WARREN 1,374 1,206
MARION 1,407 1,249
MAHASKA 1,392 1,252
KEOKUK 1,320 1,198
WASH INGTON 1,703 1,546
LOUISA 1,709 1,523
MILLS 1,413 1,222
MONT GOMERY 1,313 1,136
ADAMS 999 872
UNION 1,011 882
CLARKE 867 758
LUCAS 819 718
MONROE 880 784
WAPELLO 1,003 902
JEFF-ERSON 1,074 965
HENRY 1,508 1,356
DES MOINES 1,653 1,487
FREMONT 1,376 1,190
PAGE 1,220 1,055
TAYLOR 906 787
RINGGOLD 805 702
DECATUR 700 613
WAYNE 816 715
APPA-NOOSE 758 664
DAVIS 912 811
VAN BUREN 997 887
LEE 1,444 1,283
November 1, 1978 above
November 1, 1977 below

Source: Cooperative Extension Service, Iowa State University.

principal soil-association areas, Iowa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B SOILS OF MISS. BOTTOMLAND
.... TENTATIVE BOUNDARY

—— GRADATIONAL BOUNDARY
— ABRUPT BOUNDARY

AGH: ADAIR-GRUNDY-HAIG
ASE: ADAIR-SEYMOUR-EDINA
CKL: CLINTON-KESWICK-LINDLEY
CLC: CRESCO-LOURDES-CLYDE
CNW: CLARION-NICOLLET-WEBSTER

D: DOWNS
DT: DINSDALE-TAMA
F: FAYETTE
FDS: FAYETTE-DUBUQUE-STONYLAND
GPS: GALVA-PRIMGHAR-SAC

GH: GRUNDY-HAIG
KFC: KENYON-FLOYD-CLYDE
LKW: LINDLEY-KESWICK-WELLER
LOS: LUTON-ONAWA-SALIX
M: MARSHALL

MIH: MONONA-IDA-HAMBURG
Mo: MOODY
OMT: OTLEY-MAHASKA-TAINTER
SSM: SHELBY-SHARPSBURG-MACKSBURG
TM: TAMA-MUSCATINE

SOURCE: Cooperative Extension Service, Iowa State University.

number and average size of farms[1] Iowa counties

County and District	Number of farms				Average acres per farm			
	1976	1977	1978[1]	1979	1976	1977	1978	1979
Buena Vista	1,380	1,370	1,300	1,270	258	268	272	279
Cherokee	1,300	1,290	1,230	1,200	277	279	291	299
Clay	1,130	1,110	1,060	1,040	312	317	330	337
Dickinson	730	710	680	670	314	323	335	340
Emmet	790	780	740	730	306	310	325	329
Lyon	1,520	1,510	1,440	1,410	243	244	255	260
O'Brien	1,370	1,350	1,290	1,260	260	264	274	281
Osceola	910	890	850	830	275	281	292	300
Palo Alto	1,150	1,130	1,080	1,060	308	313	324	330
Plymouth	2,060	2,040	1,960	1,920	264	266	275	281
Pocahontas	1,250	1,240	1,180	1,160	288	291	304	309
Sioux	2,110	2,080	1,990	1,950	223	226	235	240
N.W. District	15,700	15,500	14,800	14,500	270	274	285	291
Butler	1,680	1,660	1,560	1,540	213	216	228	231
Cerro Gordo	1,150	1,140	1,060	1,040	298	302	321	327
Floyd	1,260	1,250	1,170	1,150	245	247	262	267
Franklin	1,320	1,290	1,210	1,190	276	281	300	305
Hancock	1,380	1,350	1,260	1,240	259	264	282	287
Humbolt	950	940	880	870	285	288	306	309
Kossuth	2,170	2,130	1,990	1,960	281	286	305	309
Mitchell	1,160	1,150	1,070	1,050	253	255	273	278
Winnebago	970	960	900	890	256	258	274	277
Worth	920	910	860	850	270	273	287	291
Wright	1,240	1,220	1,140	1,120	291	296	315	320
N.C. District	14,200	14,000	13,100	12,900	265	269	286	290
Allamakee	1,320	1,300	1,220	1,210	292	296	314	316
Black Hawk	1,560	1,550	1,450	1,420	203	205	218	222
Bremer	1,450	1,440	1,350	1,330	183	185	196	199
Buchanan	1,670	1,650	1,550	1,530	209	212	224	227
Chickasaw	1,290	1,270	1,190	1,180	243	247	262	264
Clayton	2,050	2,040	1,920	1,900	224	226	238	241
Delaware	1,660	1,640	1,540	1,520	215	218	231	234
Dubuque	1,900	1,870	1,760	1,740	188	191	202	204
Fayette	2,030	2,000	1,880	1,860	219	222	235	238
Howard	1,190	1,170	1,090	1,080	247	251	268	270
Winneshiek	1,980	1,970	1,850	1,830	214	215	228	231
N.E. District	18,100	17,900	16,800	16,600	219	222	235	238
Audubon	1,080	1,070	1,000	990	263	266	282	285
Calhoun	1,270	1,250	1,160	1,140	281	286	306	312
Carroll	1,480	1,460	1,360	1,340	242	245	261	265
Crawford	1,790	1,780	1,670	1,650	253	255	270	273
Greene	1,160	1,150	1,070	1,060	312	313	336	340
Guthrie	1,280	1,250	1,150	1,130	290	297	321	327
Harrison	1,400	1,390	1,290	1,270	308	310	332	337
Ida	990	980	920	910	278	281	297	300
Monona	1,120	1,100	1,020	1,010	385	392	420	425
Sac	1,260	1,240	1,150	1,130	287	292	313	319
Shelby	1,380	1,360	1,260	1,240	269	273	293	298
Woodbury	2,090	2,070	1,950	1,930	252	255	268	272
W.C. District	16,300	16,100	15,000	14,800	281	285	304	308
Boone	1,380	1,360	1,280	1,250	247	251	265	272
Dallas	1,340	1,320	1,240	1,220	263	269	284	289
Grundy	1,300	1,280	1,210	1,190	246	250	263	267
Hamilton	1,370	1,360	1,280	1,250	262	264	279	286
Hardin	1,310	1,300	1,220	1,200	271	273	289	294
Jasper	1,740	1,720	1,630	1,600	257	260	272	278
Marshall	1,380	1,360	1,270	1,250	254	258	274	279
Polk	1,480	1,460	1,370	1,340	180	183	194	195
Poweshiek	1,360	1,350	1,270	1,250	267	269	284	288
Story	1,260	1,250	1,180	1,160	271	273	288	293
Tama	1,830	1,810	1,710	1,680	244	247	260	265
Webster	1,450	1,430	1,340	1,310	299	303	321	329
C. District	17,200	17,000	16,000	15,700	254	257	272	277

number and average size of farms[1] Iowa counties (continued)

County and District	Number of farms 1976	Number of farms 1977	Number of farms 1978[1]	Number of farms 1979	Average acres per farm 1976	Average acres per farm 1977	Average acres per farm 1978[1]	Average acres per farm 1979
Benton	1,660	1,630	1,510	1,490	268	172	293	297
Cedar	1,460	1,430	1,320	1,300	246	252	270	275
Clinton	1,840	1,810	1,690	1,660	226	230	245	249
Iowa	1,350	1,320	1,220	1,200	269	275	296	300
Jackson	1,660	1,630	1,510	1,490	236	240	258	261
Johnson	1,580	1,550	1,440	1,420	218	223	236	241
Jones	1,560	1,530	1,420	1,400	230	235	251	255
Linn	1,920	1,890	1,760	1,730	209	212	227	231
Muscatine	1,080	1,050	960	950	239	247	268	270
Scott	1,190	1,160	1,070	1,060	211	217	234	236
E.C. District	15,300	15,000	13,900	13,700	235	239	257	261
Adair	1,290	1,260	1,120	1,110	282	288	322	325
Adams	860	850	760	750	311	315	350	354
Cass	1,260	1,240	1,110	1,100	281	285	317	320
Fremont	880	860	760	750	364	369	414	419
Mills	850	840	750	740	319	323	339	363
Montgomery	930	910	810	800	285	291	325	328
Page	1,240	1,210	1,090	1,080	268	275	303	306
Pottawattamie	2,240	2,200	1,990	1,970	254	259	285	287
Taylor	1,150	1,130	1,010	1,000	294	300	333	336
S.W. District	10,700	10,500	9,400	9,300	288	293	325	329
Appanoose	1,260	1,240	1,190	1,160	231	235	243	249
Clarke	770	760	720	710	352	356	374	379
Decatur	910	900	860	850	368	372	387	392
Lucas	990	970	930	910	267	274	282	288
Madison	1,440	1,420	1,370	1,350	247	250	258	262
Marion	1,400	1,380	1,320	1,300	223	226	235	238
Monroe	1,030	1,010	960	940	260	265	277	283
Ringgold	930	920	880	860	371	375	390	399
Union	790	770	730	720	339	347	364	369
Warren	1,540	1,510	1,460	1,430	226	231	238	242
Wayne	940	920	880	870	349	357	371	375
S.C. District	12,000	11,800	11,300	11,100	282	287	298	303
Davis	1,320	1,300	1,260	1,230	236	240	246	252
Des Moines	910	880	830	810	244	252	266	272
Henry	1,120	1,080	1,030	1,010	235	244	254	259
Jefferson	1,180	1,160	1,120	1,090	226	230	237	243
Keokuk	1,310	1,280	1,230	1,200	272	279	288	296
Lee	1,310	1,280	1,230	1,190	228	234	242	250
Louisa	810	780	750	740	294	305	315	320
Mahaska	1,520	1,480	1,430	1,400	235	241	248	253
Van Buren	1,130	1,090	1,050	1,020	262	271	280	288
Wapello	1,490	1,490	1,450	1,420	170	170	174	178
Washington	1,400	1,380	1,320	1,290	250	254	264	270
S.E. District	13,500	13,200	12,700	12,400	238	244	252	258
State	133,000	131,000	123,000	121,000	257	261	276	281

[1] Revised.

Source: Iowa Crop and Livestock Reporting Service, U.S. Department of Agriculture.

corn and soybeans harvested

County & District	Corn						Corn for Silage		Soybeans					
	1976		1977r		1978e		1977r	1978e	1976		1977r		1978e	
	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Buena Vista	74.2	12,135	119.9	19,524	126.0	19,900	138	115	27.6	3,048	43.2	5,157	41.0	5,100
Cherokee	69.6	9,712	106.3	15,039	122.4	17,500	358	330	30.8	2,185	41.3	3,467	42.3	3,700
Clay	85.6	12,228	112.1	15,671	118.8	17,100	198	220	29.8	3,142	39.5	4,505	37.2	4,350
Dickinson	67.1	6,074	97.0	8,503	119.3	10,500	130	95	26.3	1,835	33.9	2,460	36.7	2,900
Emmet	80.0	8,492	108.2	11,061	127.2	13,100	119	130	30.0	2,432	38.7	3,531	40.1	3,550
Lyon	57.3	7,946	95.1	14,184	106.0	16,000	276	175	28.0	1,981	40.8	3,152	41.1	3,550
O'Brien	92.1	14,472	112.1	17,021	121.8	17,900	224	210	34.0	3,711	40.4	4,778	38.6	4,750
Osceola	76.2	7,920	109.9	11,268	121.7	12,900	159	200	29.0	2,220	40.2	3,368	39.2	3,250
Palo Alto	86.9	13,863	102.9	15,532	126.9	19,800	116	92	31.4	3,929	36.4	4,806	40.5	5,450
Plymouth	53.0	11,826	89.0	20,042	114.8	26,400	181	220	26.9	2,100	36.8	3,333	40.7	4,050
Pocahontas	84.5	13,489	106.7	16,257	131.5	19,600	86	125	29.7	4,237	38.1	5,744	42.9	6,450
Sioux	61.7	11,973	90.2	19,647	114.2	25,700	683	900	30.9	2,051	40.0	3,074	42.8	3,400
N.W. District	73.1	130,130	103.0	183,749	120.2	216,400	2,768	2,800	29.7	32,871	39.1	47,375	40.3	50,500
Butler	90.1	15,373	92.4	15,163	119.8	18,800	81	105	31.5	2,548	34.7	3,[illegible]7	36.8	3,550
Cerro Gordo	93.9	16,688	104.3	16,566	123.8	19,800	62	53	32.1	3,010	37.1	3,832	35.1	3,650
Floyd	89.0	11,632	110.2	13,550	125.4	15,300	88	57	29.6	2,551	37.8	3,443	36.3	3,500
Franklin	103.6	17,596	86.8	13,885	126.0	19,400	129	135	35.0	3,412	35.4	3,979	36.8	4,400
Hancock	98.8	16,477	112.9	18,488	126.4	20,600	118	125	34.0	3,998	37.5	4,644	36.4	5,000
Humbolt	96.0	11,768	98.9	12,091	128.6	16,200	64	41	32.8	3,293	36.1	3,875	39.4	4,300
Kossuth	94.5	25,324	101.6	25,897	123.4	31,700	149	150	33.9	7,348	36.2	8,601	36.2	8,750
Mitchell	73.1	8,675	107.5	12,285	129.7	14,400	165	180	25.7	1,734	37.7	2,760	36.5	3,050
Winnebago	88.8	10,454	107.2	11,697	117.1	12,300	45	69	32.0	2,809	37.2	3,710	33.7	3,400
Worth	84.7	9,972	105.0	11,936	123.5	14,200	51	33	28.0	2,044	35.5	2,755	37.4	2,900
Wright	101.4	17,076	104.9	17,224	126.9	20,300	55	52	33.2	4,597	38.0	5,488	36.8	5,700
N.C. District	93.1	161,035	102.4	168,782	124.5	203,000	1,007	1,000	32.2	37,344	36.6	46,244	36.5	48,200
Allamakee	87.4	5,671	118.5	8,249	119.2	8,400	203	170	27.0	81	38.1	80	34.2	82
Black Hawk	92.1	13,054	109.8	15,698	125.7	18,100	184	85	30.7	2,092	35.5	2,832	37.8	3,050
Bremer	88.9	10,168	116.0	12,572	127.0	14,100	84	75	30.9	1,574	37.4	2,383	37.3	2,700
Buchanan	99.7	16,856	108.4	17,866	127.2	20,600	83	64	32.1	1,982	37.2	2,716	38.1	3,000
Chickasaw	74.1	8,375	111.8	12,158	120.4	13,600	142	220	25.6	1,358	37.2	2,311	35.1	2,450
Clayton	92.6	12,129	117.6	16,298	123.6	17,300	135	81	30.6	104	42.6	213	37.0	200
Delaware	99.6	15,216	108.8	17,206	121.3	19,400	164	185	31.9	685	40.2	1,004	39.9	1,110
Dubuque	95.5	10,178	103.6	11,656	118.8	13,300	184	175	26.5	61	39.3	55	37.9	53
Fayette	97.3	16,576	113.0	19,338	116.5	20,500	215	215	32.1	1,802	37.8	2,624	34.1	2,500
Howard	75.2	6,945	113.0	10,395	118.9	10,400	116	105	24.2	1,141	36.8	2,137	33.6	2,015
Winneshiek	80.3	9,392	110.6	13,161	117.7	14,600	260	275	26.7	328	35.2	535	35.8	540
N.E. District	90.7	124,560	111.5	154,597	121.6	170,300	1,680	1,650	29.5	11,208	37.1	16,890	36.3	17,700
Audubon	77.7	9,003	62.6	6,924	110.6	12,500	136	145	28.2	1,022	33.3	1,382	37.4	1,700
Calhoun	85.6	13,469	83.8	12,743	125.0	18,500	76	62	29.0	3,889	33.4	4,756	40.0	6,000
Carroll	72.9	11,351	50.6	7,051	112.6	16,100	350	385	29.6	2,408	30.7	2,782	40.9	3,950
Crawford	52.8	9,241	64.3	10,758	112.0	18,700	158	205	25.8	1,417	33.7	2,329	41.7	3,150
Greene	93.6	15,358	37.8	5,472	123.8	18,200	97	170	29.8	3,581	25.5	3,278	43.0	5,850
Guthrie	85.5	8,747	55.9	5,818	113.7	10,800	73	80	26.6	1,528	31.4	2,022	36.5	2,700
Harrison	75.7	12,920	73.5	12,251	121.0	19,600	89	48	27.0	2,021	37.9	3,143	40.7	3,400
Ida	62.7	7,882	102.6	12,913	125.8	16,100	132	135	28.3	1,255	40.5	2,094	42.3	2,200
Monona	53.7	9,003	85.2	13,915	113.1	17,300	92	70	22.5	1,655	38.2	3,229	37.4	3,400
Sac	55.4	8,582	88.6	14,178	118.0	18,400	383	265	25.8	2,202	37.1	3,603	37.7	4,200
Shelby	80.0	14,112	66.2	11,180	117.2	19,800	180	170	29.8	1,628	36.9	2,269	42.0	2,900
Woodbury	61.4	14,457	99.2	23,570	112.2	25,700	250	215	24.8	1,479	37.0	2,621	37.6	2,950
W.C. District	70.6	134,125	74.3	136,773	117.0	211,700	2,016	1,950	27.5	24,085	34.0	33,508	39.9	42,400
Boone	102.1	16,143	33.6	5,174	126.2	18,800	53	76	31.6	3,297	24.0	2,602	42.6	4,750
Dallas	104.0	16,600	52.3	8,082	105.3	15,800	79	74	30.0	2,653	30.3	2,791	34.6	3,300
Grundy	109.0	17,760	97.7	14,824	121.9	18,400	97	135	36.3	3,036	38.0	3,383	42.3	4,250
Hamilton	101.0	17,942	77.1	12,988	122.2	19,800	49	63	32.7	4,132	29.1	3,759	39.6	5,300
Hardin	103.8	18,338	85.3	14,960	121.3	20,500	86	155	31.9	2,770	33.8	3,188	40.4	4,100
Jasper	107.8	18,870	51.4	8,802	111.2	18,800	102	54	34.2	2,391	34.9	2,511	37.8	2,950
Marshall	104.8	17,700	42.5	6,780	111.6	17,300	74	86	34.2	2,070	28.8	2,003	43.3	3,550
Polk	108.0	12,748	61.3	7,338	112.3	12,800	29	61	31.1	2,445	30.3	2,528	38.4	3,150
Poweshiek	101.9	13,007	77.6	10,101	112.3	13,700	61	62	33.7	1,824	35.6	2,038	37.3	2,650
Story	106.6	16,759	32.4	5,047	113.4	18,600	55	98	32.6	3,545	22.2	2,473	42.0	4,600
Tama	99.1	17,665	86.7	15,575	124.3	22,000	93	65	33.4	2,566	36.5	3,216	42.6	4,200
Webster	97.3	18,392	84.3	15,242	131.5	23,400	16	31	31.6	5,026	34.8	5,750	42.6	7,200
C. District	103.6	201,924	65.7	124,913	118.2	219,900	794	960	32.6	35,755	31.2	36,242	40.6	50,000

corn and soybeans harvested (continued)

County & District	Corn						Corn for Silage		Soybeans					
	1976		1977r		1978e		1977r	1978e	1976		1977r		1978e	
	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Benton	92.3	16,307	83.6	14,386	118.9	20,800	196	225	31.9	2,973	35.1	3,493	41.2	4,350
Cedar	117.1	19,762	123.7	21,235	128.7	22,000	81	45	37.0	2,040	42.5	2,524	42.6	2,800
Clinton	95.6	19,262	109.1	21,922	116.1	23,100	121	160	32.9	1,495	43.7	2,468	39.3	2,900
Iowa	107.2	14,904	74.0	10,649	110.9	15,300	115	135	37.7	1,068	34.5	1,279	33.2	1,450
Jackson	80.0	7,577	99.3	9,636	111.9	11,300	175	150	29.3	164	37.0	255	34.2	250
Johnson	114.8	15,728	105.7	14,633	116.9	15,900	76	44	35.1	1,659	38.9	2,041	37.3	2,050
Jones	85.8	11,602	103.0	14,042	119.7	17,000	100	135	30.6	856	40.9	1,296	38.2	1,300
Linn	95.1	15,196	96.3	15,140	117.2	17,000	[illegible]	75	31.8	2,064	37.8	2,838	40.2	3,250
Muscatine	116.2	11,259	115.1	10,680	111.0	10,100	[illegible]	41	34.5	1,506	36.9	1,637	33.9	1,550
Scott	116.6	15,100	119.8	15,245	123.0	15,000	55	80	38.4	1,258	41.4	1,568	41.0	1,700
E.C. District	101.9	146,697	102.6	147,568	118.0	167,500	1,216	1,100	33.6	15,083	38.7	19,399	39.1	21,600
Adair	100.1	10,893	50.1	5,509	100.9	10,900	52	36	30.3	1,571	31.4	1,713	34.3	1,850
Adams	101.6	6,938	60.8	4,132	94.4	5,900	25	40	31.8	975	31.0	1,086	30.7	1,150
Cass	103.9	13,584	76.3	10,308	110.7	13,400	113	120	29.8	1,816	35.9	2,249	36.3	2,450
Fremont	103.5	12,290	55.0	6,710	93.6	10,300	25	37	33.1	2,562	34.3	3,107	32.1	2,950
Mills	95.4	9,406	56.3	5,311	110.2	10,300	76	71	31.0	1,972	36.7	2,686	38.9	3,050
Montgomery	102.6	9,735	74.1	7,077	106.2	10,300	64	135	29.2	1,680	34.4	2,175	35.8	2,400
Page	99.6	10,838	66.6	7,089	92.5	9,800	30	33	31.8	2,290	32.7	2,665	33.3	2,950
Pottawattamie	94.7	20,948	86.3	19,275	122.4	27,300	225	275	30.3	3,487	38.7	4,589	40.2	5,100
Taylor	83.2	5,577	65.8	4,885	84.1	5,800	22	33	28.4	1,143	29.5	1,376	27.8	1,500
S.W. District	98.5	100,209	68.3	70,296	105.1	104,000	673	840	30.7	17,496	34.6	21,646	35.1	23,400
Appanoose	88.2	3,537	60.6	2,388	87.0	2,800	7	28	27.4	805	30.7	1,048	29.1	1,000
Clarke	95.2	3,533	40.9	1,617	98.6	3,600	21	35	29.9	666	30.1	714	31.0	850
Decatur	94.5	4,175	50.1	2,254	94.4	3,850	49	115	30.5	652	30.9	761	28.3	950
Lucas	92.5	4,024	42.3	1,683	95.1	3,700	22	75	28.3	551	28.8	538	29.6	680
Madison	96.7	8,240	36.0	2,943	102.6	7,800	63	100	31.1	1,378	26.9	1,286	35.1	1,800
Marion	98.6	8,839	18.3	1,229	108.7	8,000	18	53	32.0	1,244	31.5	1,310	37.2	1,650
Monroe	91.8	3,967	45.0	1,854	95.4	3,550	20	72	29.8	578	31.7	690	29.3	810
Ringgold	89.5	5,825	46.0	2,854	101.8	5,800	48	84	31.7	1,064	31.0	1,173	31.4	1,250
Union	94.5	5,238	40.3	2,086	95.1	4,650	37	82	32.0	732	28.9	730	31.4	860
Warren	99.1	8,560	27.2	2,084	108.8	8,750	52	120	29.9	1,123	29.1	1,118	35.7	1,550
Wayne	94.2	5,953	53.7	3,525	94.0	5,500	24	36	27.7	988	31.4	1,138	30.0	1,400
S.C. District	94.8	61,891	40.2	24,517	100.0	58,000	361	840	30.1	9,781	30.0	10,506	32.1	12,800
Davis	90.4	5,613	47.8	2,968	100.8	6,200	19	32	28.6	984	30.2	1,217	35.1	1,450
Des Moines	112.8	10,561	96.8	8,900	108.2	9,250	29	32	35.9	1,561	39.9	1,796	38.3	1,900
Henry	117.6	12,410	94.2	9,883	114.9	10,800	16	12	36.4	1,624	41.0	1,964	37.6	2,050
Jefferson	108.3	8,641	76.7	6,360	111.0	9,100	28	20	33.2	1,598	35.7	1,849	33.3	1,900
Keokuk	109.4	14,535	68.3	9,215	118.4	14,800	53	32	33.3	1,429	38.4	1,824	34.5	1,900
Lee	96.0	9,137	57.6	5,130	104.3	8,450	48	62	31.1	1,207	37.6	1,681	33.0	1,700
Louisa	109.5	9,080	106.5	9,027	109.7	9,050	16	11	32.9	1,409	36.9	1,720	36.7	1,750
Mahaska	103.4	14,792	48.9	6,641	114.4	15,900	139	90	34.0	2,071	39.0	2,550	36.8	2,450
Van Buren	90.3	5,398	45.8	2,659	100.0	5,500	21	27	31.0	1,039	29.2	1,069	33.5	1,400
Wapello	111.0	7,123	82.6	5,426	98.4	6,050	14	15	34.1	1,447	36.2	1,680	33.3	1,700
Washington	113.8	16,039	96.9	14,796	116.1	16,600	38	27	36.2	1,978	38.4	2,180	36.2	2,100
S.E. District	106.9	113,329	76.2	81,005	110.6	111,700	421	360	33.6	16,327	36.9	19,530	35.4	20,300
State	91.0	1,173,900	86.0	1,092,200	117.0	1,462,500	10,938	11,200	31.0	199,950	35.5	251,340	38.0	286,900

¹Preliminary.
r/Revised figures.
e/Estimated figures.
Source: Iowa Crop and Livestock Reporting Service.

hogs and grain fed cattle marketed and cows and heifers* that have calved

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1976	1977r	1978e	1976	1977r	1978e	1977	1978r	1979e	1977	1978r	1979e
Buena Vista	256.3	315.0	315.0	26.0	27.5	35.0	1.0	1.0	.9	10.5	9.3	10.0
Cherokee	221.7	250.0	245.0	89.5	78.3	91.0	2.1	2.4	2.3	20.0	19.9	18.5
Clay	156.9	175.0	175.0	40.5	41.8	45.0	.9	.8	.8	13.7	13.4	12.0
Dickinson	94.3	100.0	95.0	36.3	28.5	37.0	1.0	.7	.7	10.6	8.5	8.4
Emmet	87.4	100.0	105.0	22.9	24.7	29.5	.5	.5	.5	9.0	7.9	8.5
Lyon	233.9	285.0	285.0	70.0	70.5	73.0	8.3	8.1	7.8	18.9	18.3	18.0
O'Brien	251.7	270.0	265.0	77.9	78.0	89.0	3.5	3.1	3.0	10.2	10.3	9.5
Osceola	120.1	145.0	140.0	39.4	37.3	45.0	2.9	2.7	2.6	6.1	5.5	5.4
Palo Alto	175.3	215.0	225.0	27.1	22.1	33.0	1.1	1.0	.9	7.4	6.7	6.9
Plymouth	427.3	455.0	455.0	95.3	92.0	98.0	4.8	4.2	3.9	29.5	23.8	23.5
Pocahontas	170.1	190.0	195.0	23.0	24.5	26.5	.5	.5	.6	5.2	4.6	3.8
Sioux	475.0	550.0	550.0	233.3	232.0	265.0	13.4	13.0	13.0	10.9	9.8	10.5
N.W. District	2,670.0	3,050.0	3,050.0	752.0	760.0	867.0	40.0	38.0	37.0	132.0	140.0	135.0
Butler	206.1	245.0	240.0	15.9	16.8	18.5	5.7	5.7	5.4	12.7	12.0	11.5
Cerro Gordo	180.2	215.0	195.0	17.5	16.3	18.5	1.1	1.0	.9	7.7	7.7	7.4
Floyd	128.3	140.0	135.0	14.0	13.2	15.0	2.8	2.6	2.3	8.7	7.7	7.7
Franklin	235.1	245.0	230.0	29.0	29.8	31.0	1.8	1.8	1.7	11.7	9.7	9.2
Hancock	226.6	255.0	245.0	19.0	19.5	21.0	2.5	2.5	2.0	6.9	6.2	5.7
Humboldt	109.8	125.0	125.0	14.8	16.0	20.0	.8	.7	.8	3.3	3.2	2.7
Kossuth	324.8	360.0	350.0	38.9	39.5	45.5	3.1	3.0	2.9	11.0	10.2	8.9
Mitchell	191.9	225.0	205.0	21.5	23.0	26.0	6.4	6.2	5.6	7.9	7.8	7.4
Winnebago	114.6	130.0	115.0	6.2	6.9	7.5	1.6	1.4	1.4	3.0	2.9	2.5
Worth	101.9	100.0	95.0	10.7	10.5	11.5	1.4	1.3	1.3	4.6	4.0	3.8
Wright	148.7	160.0	165.0	13.5	14.5	18.5	.8	.8	.7	4.5	5.3	4.2
N.C. District	1,968.0	2,200.0	2,100.0	201.0	206.0	233.0	28.0	27.0	25.0	84.0	77.0	71.0
Allamakee	129.7	145.0	140.0	10.0	9.4	12.0	22.4	23.4	22.5	33.4	32.2	30.5
Black Hawk	174.2	205.0	180.0	18.2	18.5	20.0	5.5	5.5	4.7	8.5	8.5	8.2
Bremer	117.1	135.0	135.0	8.8	9.8	11.0	12.1	11.8	11.0	6.0	5.2	4.9
Buchanan	237.0	260.0	255.0	18.3	18.0	19.0	8.4	7.7	7.3	13.8	12.3	11.5
Chickasaw	168.2	180.0	185.0	14.4	13.9	17.0	8.1	7.5	6.9	13.4	12.0	12.0
Clayton	294.1	355.0	365.0	17.0	16.6	17.0	29.2	30.0	31.0	28.0	28.1	26.0
Delaware	452.7	510.0	500.0	19.6	21.0	22.5	24.4	23.9	24.5	12.3	10.6	9.9
Dubuque	305.7	365.0	350.0	28.3	30.0	33.5	29.3	30.4	31.0	20.3	19.7	20.5
Fayette	246.4	290.0	295.0	25.1	25.0	31.0	20.4	21.3	22.5	21.4	19.0	17.5
Howard	102.0	100.0	105.0	9.1	8.6	10.0	10.4	10.0	9.6	14.0	14.4	14.0
Winneshiek	234.9	255.0	240.0	14.2	19.0	24.0	27.8	28.5	29.0	27.9	27.0	26.0
N.E. District	2,462.0	2,800.0	2,750.0	183.0	189.0	217.0	198.0	200.0	200.0	199.0	189.0	180.0
Audubon	180.9	205.0	220.0	36.9	38.0	43.0	2.2	2.0	1.7	19.5	19.8	17.5
Calhoun	134.5	160.0	175.0	25.5	29.0	39.0	.5	.4	.3	10.3	9.1	9.0
Carroll	340.1	395.0	385.0	82.2	88.0	117.0	1.8	1.4	1.3	19.0	16.6	16.0
Crawford	268.4	320.0	340.0	53.6	52.0	62.0	3.5	3.3	3.3	35.8	36.3	33.0
Greene	145.7	175.0	175.0	20.9	23.0	28.0	.2	.1	.2	15.9	14.6	14.5
Guthrie	133.0	145.0	130.0	20.7	22.0	26.0	1.2	1.3	1.1	30.4	29.2	28.0
Harrison	116.4	120.0	110.0	17.4	17.5	19.0	1.3	1.2	1.0	21.5	21.2	19.5
Ida	159.8	190.0	180.0	49.9	45.0	60.0	1.5	1.5	1.7	15.7	14.9	14.5
Monona	113.2	120.0	110.0	33.4	31.0	34.0	.8	.9	.7	15.9	15.6	15.0
Sac	236.0	285.0	285.0	86.8	80.5	90.0	2.0	1.7	1.6	17.8	16.2	15.5
Shelby	233.8	280.0	280.0	45.4	47.0	52.0	2.0	1.7	1.5	25.2	23.5	22.0
Woodbury	230.2	255.0	260.0	85.3	80.0	94.0	2.1	1.5	1.6	38.0	36.0	34.5
W.C. District	2,292.0	2,650.0	2,650.0	561.0	553.0	664.0	19.1	17.0	16.0	265.0	253.0	239.0
Boone	165.5	180.0	195.0	22.3	25.0	28.0	.6	.5	.6	10.9	9.8	9.2
Dallas	119.6	115.0	110.0	18.9	19.1	20.0	.6	.6	.5	14.6	13.4	14.0
Grundy	167.9	195.0	195.0	28.1	30.0	35.0	2.6	2.2	2.2	10.3	9.0	8.8
Hamilton	198.3	245.0	235.0	23.4	27.0	28.5	.4	.3	.4	5.0	4.1	3.7
Hardin	237.0	290.0	270.0	42.0	47.0	53.0	1.4	.9	.7	12.8	13.9	14.5
Jasper	267.3	315.0	310.0	35.6	36.5	39.0	3.5	3.3	2.9	28.8	28.0	27.5
Marshall	154.7	155.0	145.0	29.0	27.5	31.0	.9	.8	.8	21.6	18.5	17.5
Polk	58.7	60.0	60.0	6.7	7.0	7.5	.8	.7	.9	7.4	7.0	6.7
Poweshiek	215.3	225.0	205.0	22.1	22.5	23.0	2.2	2.0	2.1	34.2	31.9	30.0
Story	140.5	135.0	150.0	19.5	19.0	20.0	1.2	.9	.9	8.3	6.5	6.1
Tama	241.2	255.0	245.0	32.8	32.6	33.0	2.3	2.2	2.5	28.7	26.5	25.0
Webster	127.0	130.0	130.0	12.6	12.8	16.0	.6	.6	.5	6.4	5.4	5.0
C. District	2,093.0	2,300.0	2,250.0	295.0	306.0	334.0	17.1	15.0	15.0	187.0	174.0	160.0

hogs and grain fed cattle marketed and cows and heifers* that have calved (continued)

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1976	1977r	1978e	1976	1977r	1978e	1977	1978r	1979e	1977	1978r	1979e
Benton	273.2	280.0	265.0	48.0	45.4	44.5	3.2	3.2	3.0	24.1	22.5	20.0
Cedar	392.4	390.0	380.0	39.5	34.5	35.5	2.4	1.9	2.1	19.4	18.3	16.5
Clinton	295.9	340.0	325.0	75.9	71.4	78.0	4.9	4.1	4.4	19.7	18.3	17.5
Iowa	224.9	240.0	245.0	32.1	31.5	32.0	2.9	2.7	2.6	35.1	34.1	30.5
Jackson	194.1	200.0	180.0	41.2	36.7	40.0	12.2	11.6	12.0	39.8	35.8	32.5
Johnson	309.6	350.0	335.0	16.7	17.5	20.5	3.7	3.6	3.4	24.3	23.8	23.0
Jones	291.7	290.0	280.0	43.2	42.8	46.0	6.7	6.8	6.5	23.3	21.2	19.5
Linn	209.2	210.0	190.0	21.9	16.1	17.0	7.3	6.3	5.5	17.2	16.1	13.5
Muscatine	191.2	195.0	170.0	17.1	12.6	14.5	2.3	2.3	2.1	14.8	13.4	11.5
Scott	259.8	255.0	230.0	25.4	26.5	27.0	3.4	3.5	3.4	11.3	10.5	9.5
E.C. District	2,642.0	2,750.0	2,600.0	361.0	335.0	355.0	49.0	46.0	45.0	229.0	214.0	194.0
Adair	164.6	185.0	180.0	19.9	20.5	23.5	2.3	2.3	2.2	40.1	40.8	37.0
Adams	117.5	115.0	110.0	12.2	11.0	11.5	.5	.5	.6	27.0	23.9	23.0
Cass	163.1	183.0	185.0	44.9	38.0	44.0	1.6	1.5	1.4	30.3	28.6	26.0
Fremont	73.5	77.0	68.0	29.1	26.0	28.0	.4	.6	.4	14.8	13.3	12.5
Mills	74.0	75.0	67.0	34.6	27.5	29.5	.6	.3	.2	10.7	10.3	9.0
Montgomery	108.7	120.0	115.0	28.9	24.5	29.0	.7	.8	.7	18.5	15.5	15.0
Page	166.7	200.0	170.0	23.9	23.5	27.0	1.1	.8	.8	25.9	23.9	21.0
Pottawattamie	212.6	235.0	210.0	115.0	112.0	128.0	1.9	1.5	1.2	26.3	25.3	25.0
Taylor	94.7	110.0	95.0	9.5	9.0	9.5	.9	.7	.5	35.4	30.4	25.5
S.W. District	1,175.0	1,300.0	1,200.0	318.0	292.0	330.0	10.0	9.0	8.0	229.0	212.0	194.0
Appanoose	50.7	48.5	49.0	3.6	3.0	3.2	1.0	1.0	.9	34.0	33.3	31.5
Clarke	70.5	71.0	72.0	4.2	3.5	4.5	.5	.5	.5	24.6	26.2	24.5
Decatur	42.4	50.5	54.0	4.8	4.3	4.3	1.4	1.3	1.1	37.4	37.5	34.0
Lucas	67.7	65.0	60.0	5.7	5.0	5.3	.7	.6	.7	29.4	25.0	24.0
Madison	110.2	115.0	130.0	9.5	10.5	12.0	.8	.7	.8	30.3	30.5	29.3
Marion	213.7	215.0	220.0	17.0	15.0	18.0	2.8	2.6	2.7	19.7	20.5	21.0
Monroe	60.7	76.0	75.0	3.8	4.1	4.7	1.5	1.5	1.5	29.7	30.0	30.0
Ringgold	89.7	100.0	96.0	5.8	5.8	6.2	1.3	1.1	1.2	41.1	36.5	36.0
Union	90.2	88.0	85.0	9.0	8.0	8.6	.8	1.0	.8	30.7	29.5	29.0
Warren	121.8	130.0	120.0	9.2	8.5	10.0	2.7	2.3	2.6	30.5	29.0	26.0
Wayne	69.4	70.0	61.0	8.4	7.3	7.2	1.5	1.4	1.2	39.6	34.0	31.5
S.C. District	987.0	1,029.0	1,022.0	81.0	75.0	84.0	15.0	14.0	14.0	347.0	332.0	317.0
Davis	60.9	64.0	59.0	3.9	3.2	4.0	3.2	3.0	3.0	32.3	31.7	29.5
Des Moines	97.1	97.0	90.0	12.5	10.3	13.0	.7	.6	.7	13.5	12.3	11.0
Henry	206.5	200.0	205.0	12.6	11.0	12.0	.8	.7	.7	16.1	15.8	13.0
Jefferson	129.2	145.0	145.0	7.8	7.6	9.0	1.0	.8	.8	15.7	16.2	15.0
Keokuk	310.9	345.0	330.0	15.0	14.2	14.5	1.1	.9	.9	27.5	27.0	24.0
Lee	163.1	160.0	160.0	15.9	16.0	17.0	3.4	2.8	2.5	16.0	14.5	13.5
Louisa	130.9	135.0	110.0	9.0	8.7	9.5	.2	.2	.1	9.0	8.5	7.0
Mahaska	346.0	415.0	370.0	40.0	41.0	42.5	2.5	2.2	2.2	21.2	19.5	17.5
Van Buren	90.1	99.0	89.0	5.4	5.0	5.0	1.1	.9	1.0	22.7	23.5	21.0
Wapello	97.3	100.0	92.0	8.4	8.0	9.0	.7	.7	.9	19.3	21.0	18.5
Washington	410.0	440.0	400.0	22.5	21.0	22.5	1.4	1.2	1.2	17.7	19.0	16.0
S.E. District	2,042.0	2,200.0	2,050.0	153.0	146.0	158.0	16.1	14.0	14.0	211.0	209.0	186.0
State	18,331.0	20,279.0	19,672.0	[illegible]	[illegible]	[illegible]	392.0	380.0	374.0	1,903.0	1,800.0	1,694.0

*District data totals exceed state totals due to rounding to thousands of head.
r/Revised figures.
e/Estimated figures.
Source: Iowa Crop and Livestock Reporting Service.

grain fed sheep and lambs, hens and pullets

	Grain Fed Sheep and Lambs Marketed (000)			Hens and Pullets of Laying Age (000)		
	1975	1977	1978	1975[1]	1977	1978
Buena Vista	10.5	16.9	6.8	70.0	66.0	57.0
Cherokee	2.3	3.2	1.9	26.0	16.0	15.0
Clay	5.6	3.9	4.2	245.0	140.0	165.0
Dickinson	1.8	2.8	2.0	48.0	91.0	105.0
Emmet	.8	1.1	.5	49.0	96.0	84.0
Lyon	3.7	6.8	6.1	85.0	62.0	45.0
O'Brien	3.4	3.4	2.6	73.0	67.0	67.0
Osceola	5.5	11.8	8.3	63.0	55.0	73.0
Palo Alto	1.3	1.4	3.1	113.0	100.0	105.0
Plymouth	3.1	4.2	2.2	82.0	56.0	89.0
Pocahontas	3.3	3.1	3.1	232.0	150.0	150.0
Sioux	3.2	1.4	1.2	308.0	375.0	495.0
Northwest District	44.5	60.0	42.0	1,394.0	1,274.0	1,450.0
Butler	1.1	1.3	1.1	142.0	145.0	140.0
Cerro Gordo	2.1	1.6	1.3	55.0	106.0	93.0
Floyd	1.7	1.7	1.3	84.0	101.0	94.0
Franklin	4.4	6.1	4.8	299.0	272.0	235.0
Hancock	3.5	4.2	3.4	51.0	33.0	27.0
Humboldt	7.4	11.2	1.6	38.0	48.0	51.0
Kossuth	2.6	2.6	2.1	279.0	224.0	320.0
Mitchell	2.1	2.5	2.1	277.0	331.0	395.0
Winnebago	.7	1.1	.9	38.0	30.0	33.0
Worth	1.0	1.9	1.2	37.0	25.0	41.0
Wright	2.3	1.8	1.2	68.0	50.0	71.0
North Central District	28.9	36.0	21.0	1,368.0	1,365.0	1,500.0
Allamakee	.6	1.0	.5	56.0	15.0	58.0
Black Hawk	1.3	1.9	1.3	144.0	120.0	130.0
Bremer	6.9	1.6	2.1	125.0	55.0	69.0
Buchanan	.5	2.3	1.6	72.0	107.0	120.0
Chickasaw	.4	1.3	.7	124.0	154.0	155.0
Clayton	1.1	3.4	1.6	93.0	84.0	140.0
Delaware	.6	.9	.4	109.0	98.0	63.0
Dubuque	.3	.4	.6	83.0	88.0	71.0
Fayette	1.1	1.0	1.0	124.0	195.0	250.0
Howard	1.3	1.6	1.3	129.0	103.0	130.0
Winneshiek	1.9	2.6	1.9	120.0	57.0	164.0
Northeast District	16.0	18.0	13.0	1,179.0	1,076.0	1,350.0
Audubon	1.5	2.4	1.9	107.0	86.0	64.0
Calhoun	3.1	8.2	4.0	87.0	80.0	73.0
Carroll	.5	.7	.8	82.0	35.0	18.5
Crawford	2.6	2.9	2.1	152.0	131.0	110.0
Greene	4.6	4.0	3.7	11.0	40.0	6.5
Guthrie	.8	3.4	1.6	141.0	82.0	105.0
Harrison	.9	1.1	1.0	13.0	8.0	7.2
Ida	2.0	3.0	2.0	26.0	13.2	14.0
Monona	.5	1.9	1.3	10.0	8.8	8.8
Sac	2.7	3.4	2.5	68.0	90.0	100.0
Shelby	1.6	1.9	1.5	51.0	33.0	33.0
Woodbury	3.6	6.1	4.6	17.0	14.0	10.0
West Central District	24.4	39.0	27.0	765.0	621.0	550.0
Boone	2.8	1.9	2.6	284.0	235.0	245.0
Dallas	.7	.5	.4	138.0	146.0	185.0
Grundy	7.2	22.0	24.5	55.0	37.0	32.5
Hamilton	1.3	.8	.8	34.0	50.0	72.0
Hardin	.9	.7	.8	65.0	225.0	76.0
Jasper	2.0	1.9	1.7	96.0	68.0	61.0
Marshall	2.5	1.6	1.3	77.0	60.0	76.0
Polk	.7	.6	.9	20.0	10.0	4.5
Poweshiek	1.7	2.1	1.7	47.0	83.0	68.0
Story	5.8	2.8	2.4	104.0	101.0	110.0
Tama	3.4	1.6	1.4	115.0	130.0	130.0
Webster	.4	.5	.5	685.0	696.0	840.0
Central District	29.4	37.0	39.0	1,720.0	1,841.0	1,900.0
Benton	3.2	3.1	2.4	58.0	34.0	46.0
Cedar	6.5	5.6	3.5	68.0	40.0	31.0
Clinton	1.3	1.2	1.0	66.0	89.0	67.0
Iowa	3.0	6.0	3.5	38.0	32.0	40.5
Jackson	2.5	.9	.7	73.0	70.0	91.0
Johnson	3.5	12.4	10.5	457.0	380.0	165.0
Jones	2.3	3.3	1.3	37.0	17.0	16.5
Linn	2.2	1.7	1.1	69.0	67.0	73.0
Muscatine	2.5	1.9	1.1	20.0	14.0	12.0
Scott	.9	.9	.9	116.0	68.0	88.0
East Central District	27.9	37.0	26.0	1,002.0	811.0	630.0
Adair	5.2	5.6	4.2	37.0	21.0	12.5
Adams	1.0	1.2	1.3	14.0	6.0	5.9
Cass	1.2	5.1	5.3	34.0	13.0	8.1
Fremont	.3	.4	.2	4.0	2.7	2.3
Mills	.4	.7	.4	8.0	3.8	3.4
Montgomery	2.8	2.6	1.5	14.0	8.5	7.6
Page	.8	.8	.8	19.0	12.0	9.2
Pottawattamie	2.4	2.0	1.6	92.0	56.0	42.0
Taylor	2.4	2.6	2.7	36.0	28.0	34.0
Southwest District	16.5	21.0	18.0	258.0	151.0	125.0
Appanoose	3.5	6.5	3.8	5.0	2.9	2.0
Clarke	.7	1.0	.8	6.0	4.5	4.2
Decatur	1.0	1.1	.8	7.0	2.6	2.3
Lucas	3.3	4.2	4.2	28.0	22.0	25.4
Madison	1.6	2.0	1.5	57.0	58.0	20.5
Marion	6.4	5.1	5.6	95.0	94.7	89.0
Monroe	1.5	5.3	2.8	7.0	17.3	14.0
Ringgold	1.0	1.2	1.0	5.0	6.0	14.5
Union	.7	.9	.6	9.0	3.3	1.6
Warren	1.3	1.2	.9	27.0	60.0	42.5
Wayne	1.3	4.5	2.0	13.0	8.7	9.0
South Central District	22.3	33.0	24.0	259.0	280.0	225.0
Davis	10.6	2.4	3.0	43.0	33.0	56.0
Des Moines	.7	1.0	.9	32.0	28.0	30.0
Henry	1.9	4.2	4.7	110.0	74.0	54.0
Jefferson	6.1	18.2	2.6	13.0	8.6	7.4
Keokuk	12.9	7.5	5.9	67.0	64.0	35.0
Lee	1.5	2.5	2.5	32.0	40.0	16.5
Louisa	.9	1.3	.8	5.0	7.6	3.4
Mahaska	2.3	2.0	2.0	162.0	252.0	240.0
Van Buren	2.5	3.1	2.0	8.0	6.8	6.7
Wapello	1.1	1.9	.9	73.0	108.6	135.0
Washington	2.8	3.9	4.7	118.0	109.0	86.0
Southeast District	43.3	48.0	30.0	663.0	731.0	670.0
State	253.2	329.0	240.0	8,608.0	8,150.0	8,400.0

[1] Preliminary

Source: Iowa Crop and Livestock Reporting Service.

Iowa is a leading exporter

and works to become bigger

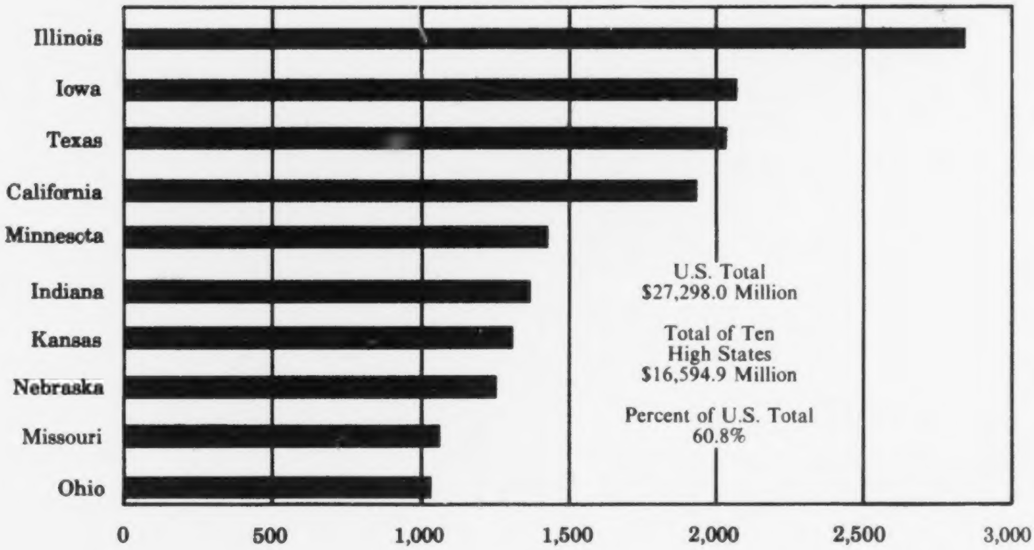
It's no surprise that Iowa is a leading exporter of agricultural goods.

But, the fact is that approximately 720 Iowa manufacturers are also exporters, twice the national average.

This is no accident. Iowa makes a concentrated effort to encourage its industries to export. The Iowa Development Commission conducts foreign trade missions, conferences and workshops aimed at stimulating world trade.

The Commission also provides aid and information to help exporting newcomers deal with trade regulations, shipping problems and working arrangements with overseas firms.

Iowa high among top ten in farm exports, 1978* (millions)



*Year ending June 30
Source: FATUS, March/April 1979, U.S. Department of Agriculture.

value of agricultural exports, Iowa (millions)

	(Fiscal Year October-September)				
	1970	1975	1976	1977	1978
All Commodities	$515.1	$1,723.5	$1,829.3	$2,042.0	$2,115.1
Wheat and Flour	.8	5.4	7.6	4.2	8.7
Feed Grains[1]	145.5	787.1	861.3	712.7	813.9
Soybeans	170.7	489.8	465.7	695.5	914.6
Soybean Oil	22.1	64.0	32.0	67.1	*
Protein Meal	50.6	110.3	124.1	151.7	*
Fruits and Preparations	—	.1	.1	.1	.1
Vegetables and Preparations	.1	.5	1.1	1.0	1.0
Dairy Products	8.7	12.0	11.4	15.2	13.7
Meats and Products[2]	24.5	60.3	99.3	99.3	108.3
Hides and Skins	12.6	24.4	39.1	49.6	53.6
Poultry Products	2.1	2.4	4.5	4.3	5.4
Lard and Tallow	24.8	38.4	36.9	55.4	48.9
Other	52.6	128.8	146.2	185.9	146.9

*Now tabulated as part of soybeans and products.

[1] Includes barley, corn, oats, and sorghum grain.

[2] Does not include poultry.

Source: FATUS, February 1978, U.S. Department of Agriculture.

value of agricultural exports, U.S. (millions)

	(Fiscal Year October-September)					
	1970	1973	1975	1976	1977	1978
All Commodities	$6,721.4	$12,894.0	$21,854.3	$22,760.4	$24,013.4	$27,298.9
Wheat and Flour	941.6	2,340.2	5,236.8	4,740.9	3,003.1	4,138.7
Feed Grains[1]	987.3	2,312.5	4,858.3	5,966.4	5,345.3	5,983.1
Soybeans	1,069.0	2,288.2	2,988.7	3,038.3	4,306.6	6,410.9
Soybean Oil	138.7	143.2	387.3	207.6	413.1	*
Protein Meal	322.6	711.0	685.5	827.3	955.3	*
Fruits and Preparations	343.2	456.7	674.6	755.1	803.9	976.5
Vegetables and Preparations	196.8	296.3	533.9	594.6	697.2	658.1
Dairy Products	109.1	86.0	143.0	130.6	171.3	146.1
Meats and Products[2]	152.8	306.7	381.9	591.7	608.5	687.3
Hides and Skins	158.4	495.1	393.3	606.2	779.5	823.6
Poultry Products	76.0	89.3	112.0	223.3	271.4	332.7
Lard and Tallow	208.1	236.1	400.6	403.4	578.2	563.3
Other	650.2	1,108.9	1,632.9	1,819.0	2,185.7	1,895.8

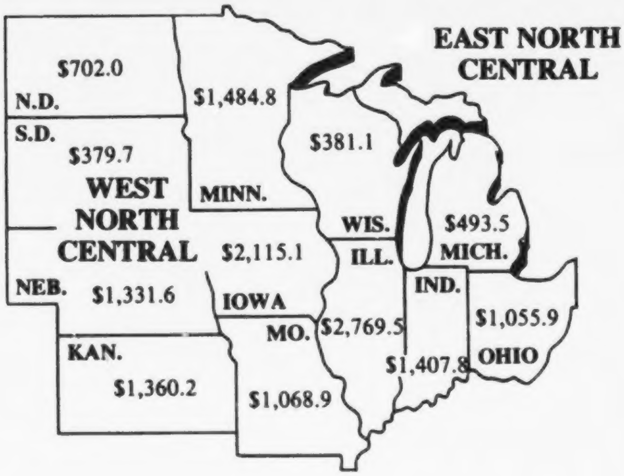
*Now tabulated as part of soybeans and products.

[1] Includes barley, corn, oats and sorghum grain.

[2] Does not include poultry.

Source: FATUS, March/April, 1979, U.S. Department of Agriculture.

12 mid-American states account for 52% of total U.S. agricultural exports . . . 1977-78


EAST NORTH CENTRAL
WEST NORTH CENTRAL
$702.0
N.D.
S.D.
$379.7
NEB.
$1,331.6
KAN.
$1,360.2
$1,484.8
MINN.
$2,115.1
IOWA
MO.
$1,068.9
$381.1
WIS.
ILL.
$2,769.5
IND.
$1,407.8
$493.5
MICH.
$1,055.9
OHIO

U.S. $27,298.0
(figures in millions)

leading states for agricultural export shares, 1978[1] (millions)

Selected Commodities	United States	5 Leading States				
		1	2	3	4	5
All Commodities	$27,298.0	Ill. 2,769.5	IOWA 2,115.1	Tex. 2,074.4	Cal. 1,926.7	Minn. 1,484.8
Soybeans and Products[2]	6,410.9	Ill. 1,223.8	IOWA 914.6	Mo. 541.5	Ind. 525.2	Minn. 487.0
Feed Grains and Products	5,983.1	Ill. 1,103.8	IOWA 813.9	Neb. 721.5	Ind. 597.5	Minn. 474.1
Wheat and Products	4,138.7	Ks. 741.1	N.D. 420.2	Okla. 377.1	Mont. 253.3	Tex. 252.5
Hides and Skins	823.6	Wis. 81.6	Tex. 81.6	IOWA 53.6	Minn. 46.9	Neb. 43.0
Meats and Preparations[3]	687.3	IOWA 108.3	Tex. 57.2	Ill. 46.7	Neb. 44.8	Ks. 38.5
Lard and Tallow	563.3	Tex. 72.7	IOWA 48.9	Neb. 39.7	Ks. 37.6	Mo. 26.6
Dairy Products	146.1	Minn. 31.7	Wis. 31.5	Cal. 23.5	IOWA 13.7	N.Y. 9.7

[1] Fiscal year ending September 30.
[2] Includes soybeans, soybean oil, and protein meal.
[3] Excludes poultry.
Source: FATUS, March/April, 1979, U.S. Department of Agriculture.

estimated exports of manufactured shipments, Iowa (millions)

SIC Code	Product Category	1960	1966	1969	1971	1972	1976
	Total Exports	$211.4	$336.9	$412.0	$476.0	$589.6	$1,499.8
20	Food & Kindred Products	51.4	59.6	95.4	109.1	130.5	262.1
21	Tobacco Manufactures	—	—	—	—	—	—
22	Textile Mill Products	—	—	—	—	—	—
23	Apparel & Other Textile Mill Products	0.7	T	S	—	—	—
24	Lumber & Wood Products	1.0	T	T	—	—	12.1
25	Furniture & Fixtures	0.2	S	S	—	—	0.9
26	Paper & Allied Products	—	S	T	T	—	7.2
27	Printing & Publishing	1.3	T	T	T	—	6.8
28	Chemicals & Allied Products	3.8	9.3	7.7	27.0	39.4	83.9
29	Petroleum & Coal Products	—	0.9	2.0	—	—	—
30	Rubber & Plastics	3.8	6.3	12.7	13.3	14.4	51.9
31	Leather & Leather Products	S	—	—	—	—	—
32	Stone, Clay & Glass	—	0.1	S	T	—	3.1
33	Primary Metal Industries	2.3	U	V	U	—	24.2
34	Fabricated Metal Products	5.7	9.9	10.9	13.4	14.7	46.2
35	Machinery, except electrical	92.3	165.6	173.5	198.9	269.6	745.5
36	Electrical Equipment & Supplies	30.3	51.6	68.1	62.4	87.9	194.1
37	Transportation Equipment	S	3.2	6.7	14.4	15.9	20.3
38	Instruments & Related Products	—	T	T	U	—	7.6
39	Misc. Mfg.	12.2	14.7	14.5	—	—	28.6

(S) Less than $1.0 million
(T) $1.0 but less than $5.0 million
(U) $5.0 but less than $10.0 million
(V) $10.0 but less than $25.0 million

Source: Survey of the origin of Exports of Manufacturing, 1976 Census of Manufactures, U.S. Department of Commerce, Bureau of the Census; and Iowa, U.S. Dept. of Commerce.

comparative value of estimated manufactured exports, midwest states

Selected Midwest States	1972						1976					
	Estimated value of exports (millions)	Estimated export employment (thousands)	Percent of U.S. totals		Rank based on—		Estimated value of exports (millions)	Estimated export employment (thousands)	Percent of U.S. totals		Rank based on—	
			Value of exports	Export employment	Value of exports	Export employment			Value of exports	Export employment	Value of exports	Export employment
United States	$36,608.0	770.4	100.0	100.0	N/A	N/A	$83,098.0	1,173.2	100.0	100.0	N/A	N/A
IOWA	589.6	12.4	4.7	5.8	18	21	1,499.8	19.8	7.2	8.6	18	20
Illinois	2,901.9	63.3	5.4	4.8	3	4	6,659.6	86.9	8.1	6.9	3	2
Indiana	1,403.7	30.3	4.8	4.3	9	9	2,827.6	40.0	6.3	5.9	9	9
Kansas	282.7	6.9	3.5	5.0	29	28	635.2	10.2	4.3	6.1	31	28
Michigan	3,522.2	58.5	6.5	5.4	1	5	6,888.1	73.9	8.6	7.0	2	6
Minnesota	654.0	14.1	5.1	4.7	17	15	1,566.7	23.2	7.7	7.2	16	15
Missouri	577.3	12.9	3.1	3.0	20	17	1,622.1	22.6	5.9	5.3	15	16
Nebraska	134.4	2.1	2.3	2.5	35	37	309.2	3.7	3.5	4.2	35	38
Ohio	3,053.9	70.2	5.5	5.2	2	1	5,793.6	86.8	6.9	6.8	4	3
South Dakota	(s)	(s)	(s)	(s)	50	45	68.3	1.0	4.2	4.8	47	46
Wisconsin	916.1	21.2	4.3	4.2	12	13	2,209.2	32.1	6.2	6.2	12	13

(s) withheld estimate

Source: Origin of Exports of Manufacturing, 1976 Census of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

estimated value of manufactured exports, Iowa smsa's (millions)

Code	State by major industry group	value of manufacturers' shipments					manufacturing employment				
		Total[1] (million dollars)	Direct exports[2] (million dollars)	Supporting exports[3] (million dollars)	Total export related[4] (million dollars)	Total export related as percent of total shipments	Total[5] (1,000)	Direct export related[6] (1,000)	Supporting exports[7]	Total export related[8] (1,000)	Total export related as percent of total employment
		A	B	C	D	E	F	G	H	I	J
	Iowa	20,772.3	1,499.8	624.4	2,124.2	10.2	231.1	19.8	8.4	28.2	12.2
20	Food and kindred products	9,020.0	262.1	119.2	381.3	4.2	43.5	1.1	0.6	1.7	3.9
24	Lumber and wood products	230.1	12.1	13.8	25.9	11.3	4.9	0.3	0.3	0.6	12.2
25	Furniture and fixtures	158.1	0.9	1.4	2.3	1.5	2.8	(Z)	0.1	0.1	3.6
26	Paper and allied products	354.0	7.2	22.8	30.0	8.5	4.5	0.1	0.3	0.4	8.9
27	Printing and publishing	582.7	6.8	6.7	13.5	2.3	14.1	0.1	0.2	0.3	2.1
28	Chemicals and allied products	1,564.5	83.9	87.6	171.5	11.0	6.0	0.4	0.3	0.7	11.7
30	Rubber, miscellaneous plastic products	716.4	51.9	46.2	98.1	13.7	11.5	0.8	0.7	1.5	13.0
32	Stone, clay, glass products	512.1	3.1	16.7	19.8	3.9	8.0	(Z)	0.3	0.3	3.8
33	Primary metal industries	666.1	24.2	96.8	121.0	18.2	7.7	0.2	1.1	1.3	16.9
34	Fabricated metal products	822.6	46.2	44.7	90.9	11.1	18.6	0.9	1.0	1.9	10.2
35	Machinery, except electrical	3.826.4	745.5	101.7	847.2	22.1	57.1	10.2	1.7	11.9	20.8
36	Electric, electronic equipment	1,284.7	194.1	43.8	237.9	18.5	24.4	4.3	1.1	5.4	22.1
37	Transportation equipment	597.7	20.3	15.9	36.2	6.1	9.1	0.3	0.3	0.6	6.6
38	Instruments, related products	64.3	7.6	1.9	9.5	14.8	2.2	0.3	0.1	0.4	18.2
39	Miscellaneous manufacturing industries	247.0	28.6	3.3	31.9	12.9	6.4	0.9	0.1	1.0	15.6
—	Central admin. offices, auxiliary	(X)	(X)	(X)	(X)	(X)	4.7	(X)	0.4	0.4	(X)

(X) Not applicable.
(Z) Less than one-half of the unit of measurement shown.
[1] Includes total domestic and export shipments for all manufacturing establishments.
[2] Includes only the value of manufactured products exported by the producing plants.
[3] Includes shipments of components, parts, supplies, etc., used by plants producing the export product.
[4] Total export related shipments are the sum of columns B and C.
[5] Includes employees of central administrative offices and auxiliaries (warehouses, garages, repair shops, etc.) serving operating manufacturing establishments.
[6] Employment is limited to paid employees in manufacturing plants producing the export product.
[7] Manufacturing employment at establishments producing components, parts, supplies, etc. for use by plants producing for export.
[8] The employment totals shown are the sum of columns G and H.
Source: Origin of Exports by Manufacturing Establishments; supplement 3 August 1979.

	1971	1972	1976 Estimated Value of Exports (millions)	1976 Estimated Export Employment (thousands)
Cedar Rapids	108.1	111.7	254.0	5.0
Davenport-Rock Island-Moline	94.6	120.9	421.3	4.7
Food & Kindred Products	(T)	(T)	20.7	0.2
Primary Metal Industries	(W)	(U)	23.9	0.2
Fabricated Metal Products	(T)	(T)	3.2	0.1
Machinery Except Electrical	75.3	102.1	360.1	3.8
Des Moines	39.5	46.5	54.6	0.6
Dubuque	42.7	(X)	137.0	1.7
Omaha-Council Bluffs	45.5	51.8	56.1	0.5
Sioux City	31.8	35.3	80.6	0.5
Waterloo-Cedar Falls	51.8	66.1	217.9	2.6

(T) 1 but less than 5 million, (U) 5 but less than 10 million, (W) 25 but less than 50 million, (X)50 but less than 100 million.
Source: Survey of The Origin of Exports by Manufacturing Establishments, U.S. Department of Commerce, Bureau of The Census.

Iowa exports contribute to U.S. balance of payments (millions of dollars)

Agricultural Exports

	1978 Iowa	1978 U.S.	% of U.S. share
Wheat and Products	8.7	4,138.7	.2
Feed Grains[1]	813.9	5,983.1	13.6
Soybeans and Products[2]	914.6	6,410.9	14.3
Fruits and Preparations	.1	976.5	—
Vegetables and Preparations	1.0	658.1	.2
Dairy Products	13.7	146.1	9.4
Meats and Products	108.3	687.3	15.8
Hides and Skins	53.6	823.6	6.5
Poultry Products	5.4	332.7	1.6
Lard and Tallow	48.9	563.3	8.7
Other	146.9	1,895.8	7.5
Total	2,115.1	27,298.0	7.8%

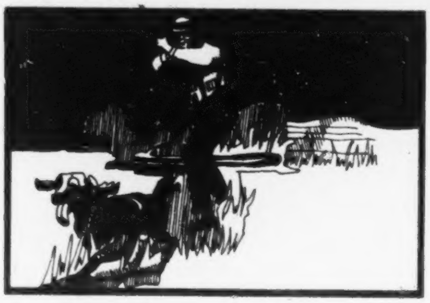
[1] Includes barley, corn, oats and sorghum grain.
[2] Includes soybeans, soybean oil and protein meal.
Source: *FATUS*, March/April, 1979, U.S. Department of Agriculture.

Manufactured Exports

Sic Code	Product Category	1976 Iowa	1976 U.S.	% of U.S. Share
20	Food and Kindred Products	262.1	3,046.2	8.6%
21	Tobacco Manufacturers	—	608.4	—
22	Textile Mill Products	—	654.9	—
23	Apparel and Other Textile Mill Products	—	291.7	—
24	Lumber and Wood Products	12.1	766.1	1.6
25	Furniture and Fixtures	.9	51.7	1.7
26	Paper and Allied Products	7.2	988.4	.7
27	Printing and Publishing	6.8	347.7	2.0
28	Chemicals and Allied Products	83.9	3,756.8	2.2
29	Petroleum and Coal Products	—	401.0	—
30	Rubber and Plastics	51.9	519.3	10.0
31	Leather and Leather Products	—	103.9	—
32	Stone, Clay and Glass	3.1	408.7	.8
33	Primary Metal Industries	24.2	1,490.2	1.6
34	Fabricated Metal Products	46.2	1,429.3	3.2
35	Machinery, except Electrical	745.5	7,823.6	9.5
36	Electrical Equipment and Supplies	194.1	3,295.8	5.9
37	Transportation Equipment	20.3	7,841.7	.3
38	Instruments and Related Products	7.6	1,530.9	.5
39	Misc. Mfg.	28.6	1,251.7	2.3
	Total Exports	1,499.8	36,608.0	4.0%

Source: Survey of the Origin of Exports of Manufacturing, 1976 Census of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

Iowa is a popular vacationland



Travel, vacations and outdoor life add up to an annual billion-dollar industry in Iowa.

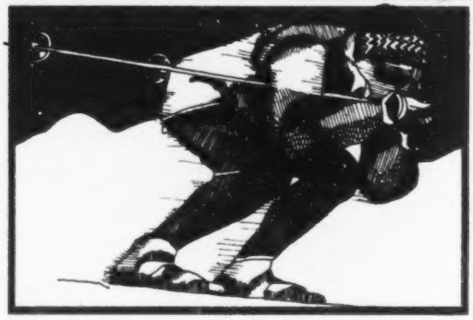
The state is dotted with historical sites, cultural facilities and a terrain ranging from untouched prairie to exciting downhill ski runs.

Iowa has 19,000 miles of interior fishing streams, two major natural "great lake" areas and four of the nation's largest man-made lakes. Iowa's bordering Mississippi and Missouri Rivers offer still more water sport, scenery and the excitement of commercial and passenger water travel.

Iowa has an abundance of game and campgrounds. It has some of the finest golf courses in America.

Iowa boasts the name the Indians gave it: "The Beautiful Land."

facts show something for everyone in Iowa, 1978



342,230	Resident Fishing Licenses
162,406	Resident Hunting Licenses
140,535	Resident Combination Licenses
32,848	Non-Resident Hunting Licenses
15,138	Non-Resident Fishing Licenses
51,934	Gun Deer Licenses
12,073	Bow & Arrow Deer Licenses
16,533	Landowner-Tenant Deer Licenses
67,041	Iowa Duck Stamps
23,559	Trout Stamps
20,652	Resident Trapping
1,815	Turkey Licenses
253	Non-Resident Raccoon Stamp

300,000	Acres of Public Hunting Areas
42,000	Acres of Public Waterfowl Refuges
1,000,000	Visitors to Public Hunting Areas
59%	of Visitors to Public Hunting Areas Were Not Hunters
203,500	Surface Acres of River Boundary Waters
80,000	Farm Ponds in Southern Iowa
33,000	Acres of Natural Lakes
20,000	Acres of Man-Made Lakes
2,000	Acres of Oxbow Lakes
30,200	Acres of Federal Reservoirs
19,000	Miles of Interior Fishing Streams
65	State Parks and Recreation Areas
42	State Parks with Lakes
50	State Parks with Camping
49,237	Acres of State Owned Land and Water
23,500	Acres of State Forests
4,000	Acres of State Preserves Areas
946	County Conservation Board Areas
26	State Wildlife Stations

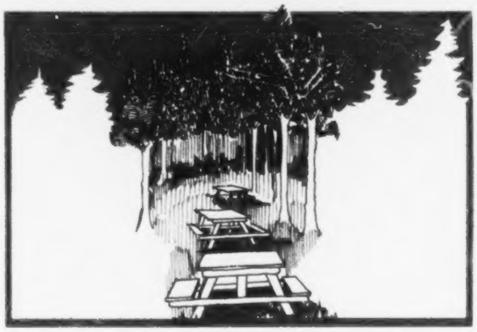
Iowa, number 1 pheasant state

Species	No. Hunters	Game Harvested
Pheasant	270,000	1,428,700
Rabbits	143,000	857,000
Squirrel	121,000	816,000
Quail	102,000	660,000

Species	No. Hunters	Game Harvested
Wild Turkey	1,815	366
Deer Bow	13,000	3,000
Gun	68,000	15,168
Total Deer	81,000	18,168

Source: Iowa Conservation Commission's "Quickie Facts & Figures."

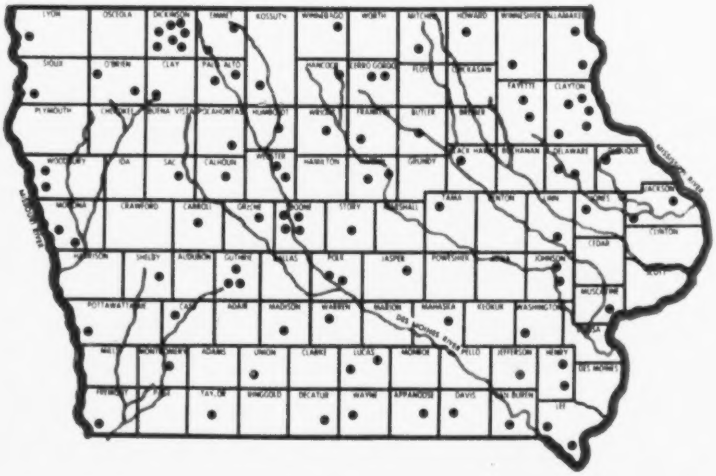
state park attendance, 1978



Park	Attendance
A. A. Call	196,505
Backbone	677,551
Beeds Lake	266,694
Bellevue	254,005
Big Creek	60,355
Black Hawk	827,631
Bob White	40,350
Brushy Creek	73,060
Clear Lake	306,100
Dolliver	376,374
Elk Rock	107,128
Emerson	238,593
Ft. Defiance	196,337
Geode	457,575
George Wyth	398,400
Green Valley	444,790
Gull Point	210,618
Honey Creek	238,205
Ismuthus	67,435
Lacey-Keosauqua	289,940
Lake Ahquabi	525,860
Lake Anita	217,785
Lake Darling	375,530
Lake Keomah	218,185
Lake Macbride	643,300
Lake Manawa	743,617
Lake of Three Fires	187,327
Lake Wapello	223,616
Ledges	326,236
Lewis and Clark	228,493
Lower Gar	28,700
Maquoketa Caves	131,331
Marble Beach	204,900
Margo Frankel	33,665
McIntosh Woods	217,875
Mini-Wakan	61,010
Nine Eagles	93,090
Okamanpedan	21,725
Palisades-Kepler	222,697
Pammel	117,350
Pikes Peak	231,318
Pikes Point	76,461
Pilot Knob	154,395
Pine Lake	377,375
Pleasant Creek	37,310
Plum Grove	2,606
Prairie Rose	192,330
Preparation Canyon	6,500
Red Haw	271,500
Rock Creek	448,471
Springbrook	415,270
Stone Park	600,538
Trappers Bay	72,090
Twin Lakes	36,556
Union Grove	108,374
Viking Lake	174,968
Volga River	257,795
Walnut Woods	184,776
Wanata	16,075
Wapsipinicon	573,700
Waubonsie	153,498
Wild Cat Den	250,355
TOTAL ATTENDANCE FOR 1978—ALL PARKS	15,192,199

Source: Iowa Conservation Commission.

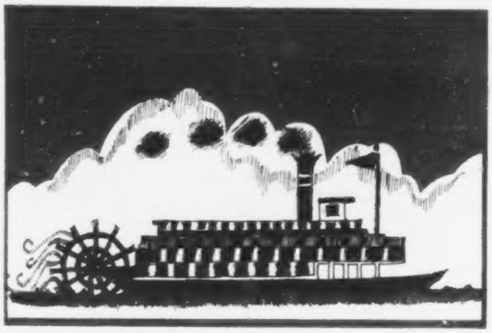
state-owned recreation areas



LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
WOODBURY
IDA
SAC
CALHOUN
WEBSTER
HAMILTON
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
MISSISSIPPI RIVER
JACKSON
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
CLINTON
MISSOURI RIVER
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
SCOTT
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
DES MOINES RIVER
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE

Iowa's state owned parks and recreation areas offer:

Camping
Hunting
Picnicking
Swimming
Boating
Fishing
Nature Trails
Golf
Winter Skiing
Snowmobile Trails
and many, many more



economic impact of travel on Iowa

	1976	1977
Total expenditures	$943,869,000	$1,012,381,000
Business receipts from traveler spending after deduction of sales and excise taxes	$885,000,000	$ 970,000,000
Average travel expenditures per county in Iowa	$ 9,500,000	$ 10,200,000
Jobs directly attributable to traveler spending in Iowa	43,000	44,000
Average travel expenditures generating one job in the travel industry	$ 21,689	$ 23,000
Tax revenue directly generated by travelers to the State Treasury	$ 42,200,000	$ 44,500,000

Source: U.S. Travel Data Center County Travel Economic Impact Model (CTEIM).

state park camping attendance, 1978

Area	Individuals	Guest Days
A. A. Call	390	436
Backbone	20,975	36,722
Beeds Lake	14,028	21,878
Bellevue	560	759
Black Hawk	9,358	15,946
Bob White	1,980	2,767
Brushy Creek	2,278	2,278
Clear Lake	17,975	26,017
Dolliver	3,961	5,789
Elk Rock	308	503
Ft. Defiance	1,101	745
Geode	16,312	27,740
George Wyth	5,168	7,391
Green Valley	12,903	22,134
Gull Point	43,476	76,566
Honey Creek	10,245	16,380
Lacey-Keosauqua	6,289	9,686
Lake Ahquabi	9,962	25,034
Lake Anita	16,294	20,881
Lake Darling	10,865	19,841
Lake Keomah	7,968	11,824
Lake Macbride	17,784	29,616
Lake Manawa	6,835	10,964
Lake of Three Fires	8,161	13,166
Lake Wapello	7,809	12,960
Ledges	5,477	6,832
Lewis and Clark	4,744	4,136
Maquoketa Caves	2,394	2,918
McIntosh Woods	4,265	5,285
Nine Eagles	6,864	8,065
Palisades Kepler	5,793	7,752
Pammel	850	970
Pikes Peak	11,651	14,101
Pilot Knob	4,483	6,533
Pine Lake	11,136	18,033
Prairie Rose	6,957	10,024
Red Haw	8,582	10,094
Rock Creek	25,371	39,791
Springbrook	12,097	19,766
Stone Park	2,410	2,892
Union Grove	2,326	3,243
Viking Lake	13,162	20,875
Walnut Woods	3,803	4,378
Wapsipinicon	2,128	2,723
Waubonsie	9,050	12,001
Wild Cat Den	2,312	2,626
Wilson Island	12,263	17,865
TOTALS	411,103	638,926

Source: Iowa Conservation Commission.

impact of travel on Iowa counties, 1977

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
State Total	$1,012,381	$201,962	44,176	$44,468	$3,942
Polk	287,394	62,441	11,064	10,521	1,219
Black Hawk	81,977	18,120	2,870	2,784	354
Woodbury	64,820	14,944	1,980	1,886	292
Linn	49,467	9,076	2,453	2,510	177
Scott	49,012	8,977	2,439	2,484	175
Des Moines	37,800	8,303	1,391	1,146	162
Johnson	33,404	6,341	1,769	1,732	124
Dubuque	33 067	6,046	1,629	1,640	118
Pottawattamie	29,738	5,269	1,373	1,415	103
Story	28,635	5,411	1,507	1,488	106
Cerro Gordo	28,311	5,271	1,471	1,475	103
Dickinson	27,800	5,257	1,487	1,425	103
Lee	16,614	3,065	857	867	60
Jasper	15,041	2,762	773	785	54
Webster	14,816	2,708	749	781	53
Clinton	13,889	2,503	688	739	49
Winneshiek	8,666	1,635	459	447	32
Wapello	8,616	1,559	431	456	30
Iowa	7,065	1,317	371	365	26
Muscatine	6,889	1,257	343	368	25
Clayton	6,848	1,266	355	356	25
Marshall	6,188	1,057	287	337	21
Clay	5,920	1,093	301	313	21
Montgomery	5,803	1,068	299	303	21
Dallas	5,131	917	252	273	18
Hardin	4,776	857	236	254	17
Fayette	4,726	850	234	252	17
Boone	4,537	821	227	240	16
Buchanan	4,478	810	225	236	16
Cass	3,913	719	198	207	14
Buena Vista	3,689	670	184	196	13
Emmet	3,493	633	174	186	12
Kossuth	3,346	578	158	181	11
Crawford	3,260	585	161	174	11
Mahaska	3,102	560	153	166	11
Madison	3,020	542	150	160	11
Cedar	2,892	514	142	154	10
Fremont	2,811	544	151	145	11
Marion	2,798	507	137	151	10
Jackson	2,736	485	133	147	9
Henry	2,679	461	124	146	9
Chickasaw	2,641	473	131	140	9
Page	2,604	451	123	141	9
Delaware	2,497	451	125	132	9
Warren	2,481	409	109	138	8
Allamakee	2,400	421	116	129	8
Guthrie	2,384	436	122	125	9
Clarke	2,373	427	118	125	8
Poweshiek	2,278	403	107	125	8

impact of travel on Iowa counties, 1977 (con't.)

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
Floyd	$2,207	$399	108	$119	$8
Ida	2,196	401	112	115	8
Carroll	2,169	375	99	120	7
Harrison	2,061	354	96	112	7
Plymouth	1,993	325	84	113	6
Union	1,970	342	94	106	7
Shelby	1,963	344	93	106	7
Jefferson	1,944	337	89	107	7
Washington	1,939	317	84	108	6
Cherokee	1,926	339	91	105	7
Humboldt	1,899	326	89	103	6
Sioux	1,725	264	64	102	5
Tama	1,700	294	79	93	6
Monona	1,672	284	77	91	6
Audubon	1,582	288	77	85	6
Jones	1,570	241	62	90	5
Bremer	1,561	263	68	88	5
Wright	1,544	249	66	87	5
Pocahontas	1,487	260	71	80	5
Appanoose	1,471	256	69	80	5
O'Brien	1,446	233	61	82	5
Adair	1,398	233	63	77	5
Calhoun	1,363	210	54	78	4
Sac	1,341	216	57	75	4
Greene	1,275	219	59	70	4
Hamilton	1,271	200	52	72	4
Decatur	1,201	211	58	64	4
Monroe	1,168	201	55	63	4
Hancock	1,147	193	52	63	4
Benton	1,134	168	43	66	3
Mills	1,127	230	56	64	4
Louisa	1,069	170	44	60	3
Palo Alto	994	164	44	55	3
Winnebago	981	171	43	56	3
Keokuk	978	154	40	55	3
Lucas	943	157	42	52	3
Grundy	935	147	38	53	3
Ringgold	838	142	38	46	3
Davis	812	127	33	46	2
Howard	802	139	38	43	3
Van Buren	785	138	38	42	3
Mitchell	678	108	28	38	2
Lyon	652	106	28	36	2
Taylor	493	83	23	27	2
Butler	444	60	14	27	1
Franklin	427	53	12	27	1
Osceola	408	60	15	24	1
Worth	353	60	16	19	1
Adams	256	42	11	14	1
Wayne	256	41	11	14	1

Source: U.S. Travel Data Center County Travel Economic Impact Model (CTEIM), 1977.

travel to and through Iowa, 1977

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
TOTAL	3,364	7,673	17,665	29,173	8,763	25,814	1,772	3,360
Means of Transport								
Auto/Truck (without camping equip.)	(z)	(z)	14,468	21,757	7,129	19,802	1,185	1,955
Auto/Truck (with camping equip.)	(z)	(z)	1,806	2,219	772	1,733	290	486
Bus	(z)	(z)	154	393	109	349	45	45
Train	(z)	(z)	2	4	2	4	—	—
Air	(z)	(z)	650	3,123	546	2,689	105	434
Other	(z)	(z)	106	178	72	97	35	81
Purpose of Trip								
Visit Relatives/Friends	(z)	(z)	7,867	13,760	4,063	12,158	736	1,602
Business	(z)	(z)	2,413	7,166	1,572	6,873	168	293
Convention	(z)	(z)	353	361	139	294	38	67
Outdoor Recreation	(z)	(z)	1,891	1,400	672	1,151	106	249
Entertainment	(z)	(z)	982	578	309	416	130	162
Sightseeing	(z)	(z)	1,220	1,090	254	447	356	643
Personal/Fam. Aff/Med	(z)	(z)	1,702	3,448	1,016	3,277	117	171
Shopping	(z)	(z)	118	26	71	26	—	—
Other	(z)	(z)	1,121	1,345	668	1,172	123	173
Family Income								
Under $5,000	401	700	2,046	2,762	1,098	2,369	115	392
$5,000 to $7,499	252	526	859	1,194	369	1,004	118	191
$7,500 to $9,999	271	567	1,309	2,108	776	1,761	124	348
$10,000 to $14,999	749	1,684	3,453	6,549	1,649	5,867	397	681
$15,000 to $19,999	628	1,539	3,749	5,788	1,893	5,210	350	578
$20,000 to $24,999	421	1,167	2,188	3,577	1,027	3,086	269	491
$25,000 to $49,999	559	1,314	3,704	3,878	1,697	3,217	382	661
$50,000 or More	84	176	358	3,318	255	3,300	18	18
Occupation of Household Head								
Professional and Technical	577	1,364	3,228	5,495	1,678	4,758	363	737
Mgr./Admin. Except Farm	464	1,118	2,514	4,880	1,398	4,435	310	445
Sales	175	320	1,185	517	409	480	37	37
Clerical	227	434	773	1,483	309	1,162	86	321
Craft and Kindred	526	1,429	3,627	6,337	1,732	5,776	365	561
Operatives	261	646	1,414	3,249	787	3,115	83	134
Nonfarm Laborers	37	97	112	77	28	47	27	30
Service Workers	166	439	803	982	477	881	53	101
Farm Workers	246	615	1,969	1,664	1,029	1,496	105	168
Retired	391	756	1,335	2,450	590	1,895	242	555
Other	295	456	705	2,039	326	1,769	100	270
Size of Household								
1 Person	626	570	1,168	2,674	495	2,188	116	486
2 Persons	1,203	2,106	4,850	10,027	2,174	8,864	583	1,163
3 Persons	500	1,200	3,087	3,345	1,403	2,917	275	428
4 Persons	554	1,741	4,689	5,551	2,560	4,874	438	676
5 Persons or More	481	2,056	3,871	7,577	2,132	6,971	360	607
Weekend or Other Trip								
Weekend	(z)	(z)	7,117	7,291	4,302	7,058	185	233
Not a Weekend	(z)	(z)	10,440	51,774	4,415	18,647	1,587	3,127
Not Reported	(z)	(z)	108	108	46	108	—	—
Vacation or Other Trip								
Vacation	(z)	(z)	8,386	14,334	2,964	11,686	1,379	2,648
Not a Vacation	(z)	(z)	9,179	14,634	5,771	13,969	370	665
Not Reported	(z)	(z)	100	206	28	159	23	47
Round-Trip Distance								
200 to 299 Miles	(z)	(z)	3,916	4,002	3,155	3,965	24	37
300 to 399 Miles	(z)	(z)	2,769	3,950	2,002	3,899	28	51
400 to 599 Miles	(z)	(z)	3,384	3,864	1,580	3,706	119	158
600 to 799 Miles	(z)	(z)	1,647	7,778	967	7,538	100	239
800 to 999 Miles	(z)	(z)	943	1,244	273	1,035	52	209
1,000 to 1,999 Miles	(z)	(z)	2,135	2,855	372	1,874	527	982
2,000 and Over	(z)	(z)	2,614	5,275	414	3,796	823	1,480
Outside United States	(z)	(z)	256	204	—	—	98	204
Duration of Trip[3]								
No Nights out of Town	(z)	(z)	2,524	—	2,067	—	—	—
1 Night	(z)	(z)	2,272	1,700	1,715	1,692	8	8
2-3 Nights	(z)	(z)	5,867	6,766	2,916	6,510	229	256
4-9 Nights	(z)	(z)	3,899	7,564	1,391	6,772	517	792
10-15 Nights	(z)	(z)	1,511	5,431	440	4,552	470	879
16 Nights or More	(z)	(z)	1,592	7,712	234	6,288	547	1,424

travel to and through Iowa, (continued)

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
Number on Trip[4]								
1 Person	(z)	(z)	4,693	11,997	2,460	10,938	401	1,059
2 Persons	(z)	(z)	5,949	7,180	2,486	6,063	646	1,117
3 Persons	(z)	(z)	1,920	2,556	913	2,290	206	267
4 Persons	(z)	(z)	3,375	4,175	1,973	3,566	360	609
5 Persons or More	(z)	(z)	1,728	3,265	932	2,957	159	308
Age of Traveler[3]								
Under 18 Years	—	1,983	4,127	6,320	2,293	5,634	414	686
18-24	382	935	1,895	2,790	791	2,300	173	491
25-34	764	1,294	3,083	3,737	1,308	3,157	312	580
35-44	614	974	2,886	5,275	1,665	4,888	224	387
45-54	652	999	2,834	6,331	1,588	6,025	207	306
55-64	490	846	1,707	2,596	532	1,995	299	602
65 Years and Over	463	643	1,134	2,124	587	1,816	143	308
Education of Traveler[3]								
Elementary School or Less	308	2,086	4,232	6,521	2,253	5,711	499	810
High School	1,591	3,328	7,647	13,919	3,640	12,768	637	1,151
College	1,465	2,259	5,786	8,734	2,871	7,335	637	1,399
Sex of Traveler[3]								
Male	2,824	3,939	9,639	16,377	4,802	14,975	904	1,402
Female	540	3,735	8,026	12,796	3,962	10,838	868	1,958
Area of Permanent Residence								
In an SMSA Under One Million	953	2,339	7,143	7,877	3,666	6,996	541	880
In an SMSA One Million and Over	1,020	2,238	4,000	9,833	2,141	8,644	675	1,189
Not in an SMSA	1,391	3,097	6,522	11,464	2,957	10,173	555	1,291
Travel Region of Origin								
New England	(z)	(z)	138	133	12	17	96	116
Eastern Gateway	(z)	(z)	266	555	91	395	119	161
G. W. Country	(z)	(z)	176	349	51	288	46	61
South	(z)	(z)	312	1,454	161	1,310	70	144
Great Lakes Country	(z)	(z)	13,103	14,436	6,561	13,017	852	1,420
Mountain West	(z)	(z)	1,396	2,303	677	1,903	209	400
Frontier West	(z)	(z)	1,775	7,182	985	6,417	290	765
Far West and Hawaii	(z)	(z)	500	2,760	227	2,467	90	293

NOTE: Data include only those trips through the State in which 1 night or more was spent in the State. Detail may not add to totals within the table and totals may differ between tables due to rounding.

— Represents zero or rounds to zero. (z) Not applicable.

[1] Includes trips to destinations outside the United States.

[2] Nights spent in state.

[3] Includes total nights spent on trip, not just nights spent in state.

[4] Apparent inconsistency between figure for household trips and that for person-trips is because the two kinds of trips were weighted independently.

Iowa farm-industry economy most "depression resistant"

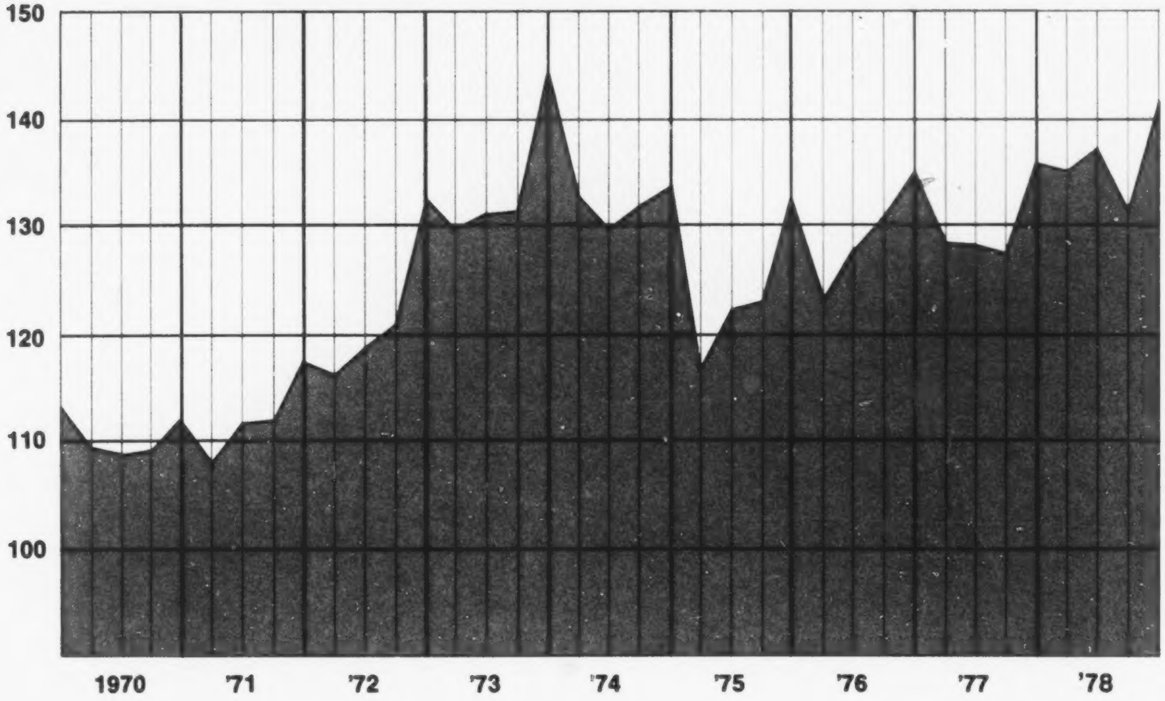
Even in years of national recession, Iowa is usually affected less than most other states. Its "not so good" times tend to be brief. Rarely is the individual Iowan subjected to ruinous circumstances.

This basic stability is attributed by some observers to the fact that the agricultural economy provides a solid base. Even though farm prices may undergo downward trends, the worldwide requirement for farm goods is constant (even increasing). Iowa farmers have demonstrated their ability to weather periodic slumps.

Adding to the stability is an influx of "small industry," since the end of World War II. A large share of Iowa's 3,600 industrial plants employ fewer than 100 persons, and they are scattered throughout Iowa, drawing labor from small towns and farms themselves. Many Iowa farmers hold second jobs in "the plant."

So well do these two factors combine that Iowans take national recessions in stride, largely unaffected.

IOWA COMPOSITE INDEX (1967 : 100)



Iowa composite economic index, 1970-1978

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Jan.-Mar.	108.6	107.7	115.1	129.3	132.1	116.3	122.2	128.6	135.1
Apr.-June	108.2	111.4	118.7	130.0	129.3	121.7	126.4	128.5	137.1
July-Sept.	109.1	111.7	120.1	130.6	131.8	122.7	129.2	127.4	131.9
Oct.-Dec.	111.9	117.8	131.1	144.8	133.1	131.4	132.6	136.7	142.1

The **Iowa Economic Index** reflects the change in economic activity by sector and in aggregate using 1967 as the base year. Current data is reported in **The Digest** publication, available upon request from The Iowa Development Commission.

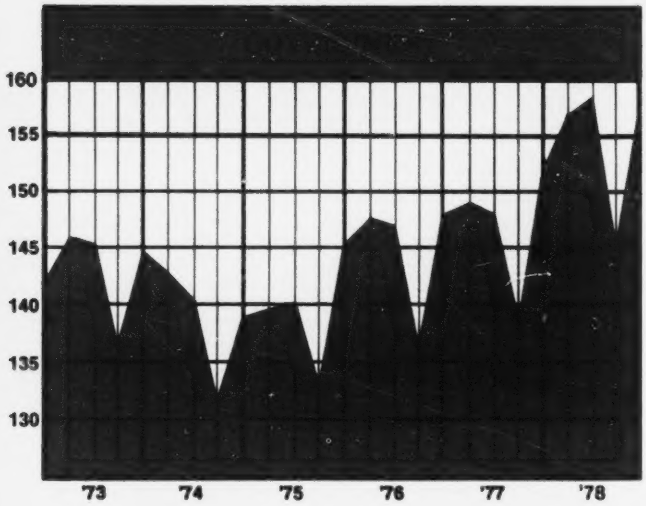
Source: Resource and Support Division, Iowa Development Commission.

Iowa economic index by sector

GOVERNMENT

(INCLUDES EMPLOY. & EXPENDITURE INDEX) (1967 = 100)

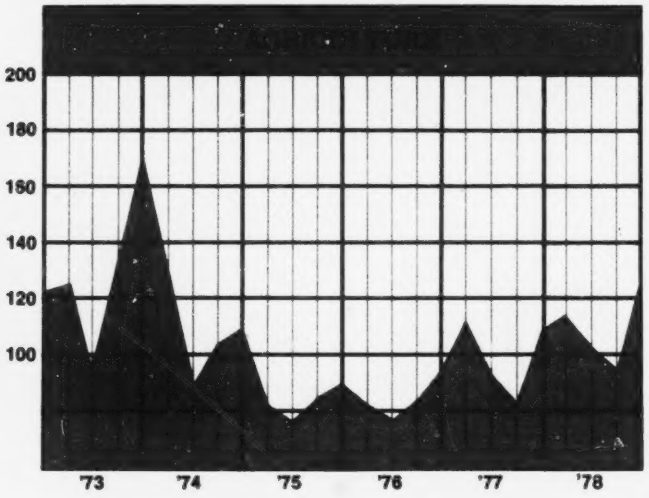
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	146.9	143.3	139.7	147.9	149.0	157.2
Apr.-June	146.4	140.5	140.2	147.6	146.3	158.9
July-Sept.	137.5	132.4	133.0	136.6	137.9	145.0
Oct.-Dec.	144.2	139.4	146.1	148.7	151.8	156.4



AGRICULTURE

(INCLUDES CASH RECEIPTS FROM MKTGS. & PRICES PAID INDEX) (1967 = 100)

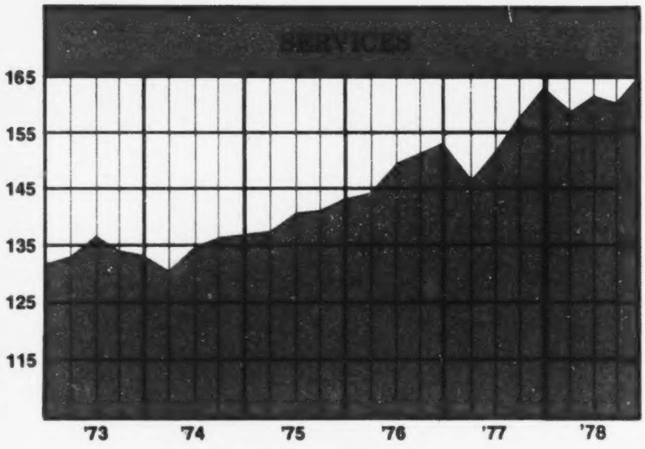
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	144.6	151.4	101.8	101.6	115.1	112.7
Apr.-June	117.4	104.6	94.5	99.1	92.3	101.2
July-Sept.	140.0	123.1	104.7	108.0	80.8	94.7
Oct.-Dec.	192.2	129.3	111.2	115.5	114.8	122.6



SERVICES

(INCLUDES EMPLOY. & DOLLAR VOLUME INDEX) (1967 = 100)

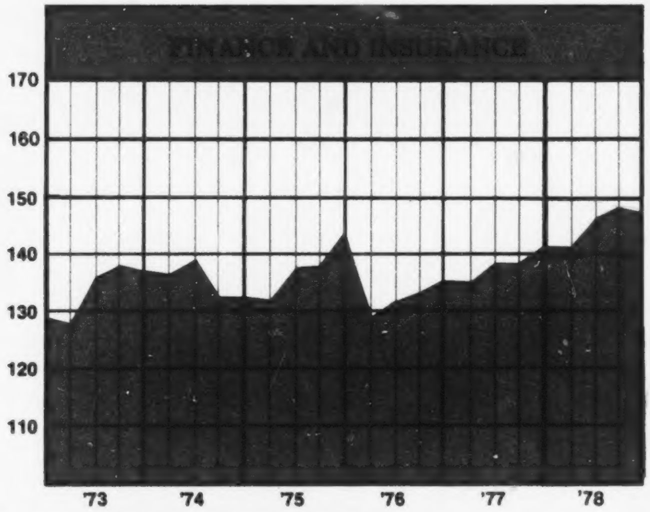
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	132.3	130.8	136.3	144.8	150.8	158.5
Apr.-June	135.6	134.6	140.6	149.0	153.8	162.1
July-Sept.	133.9	135.7	141.7	150.8	156.4	160.8
Oct.-Dec.	132.7	136.2	143.5	151.9	158.4	165.2



FINANCE & INSURANCE[1]

(INCLUDES EMPLOY., BANK DEBITS & INSUR. SALES) (1967 = 100)

	1973	1974	1975	1976[1]	1977[1]	1978
Jan.-Mar.	129.5	136.6	131.6	128.5	134.4	140.4
Apr.-June	136.1	138.4	137.1	131.1	138.7	145.8
July-Sept.	137.2	133.7	137.3	132.5	138.7	148.5
Oct.-Dec.	136.9	133.1	143.4	134.5	140.5	148.1



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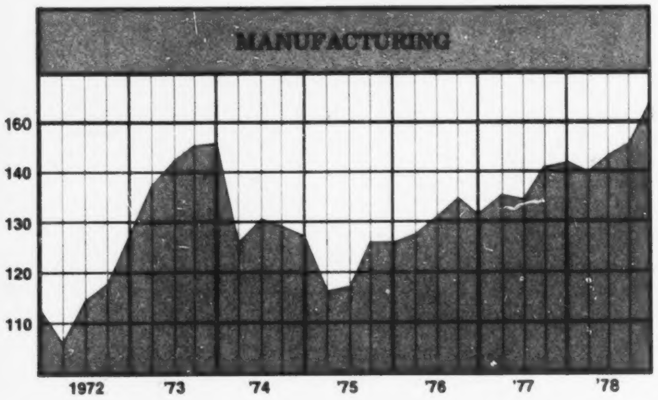
[1] In 1976, a portion of the input data to the Finance & Insurance Sector was discontinued. New data was obtained, however, historic data prior to 1976 was unavailable.

Iowa economic index by sector (continued)

MANUFACTURING

(INCLUDES EMPLOY. & PRODUCTIVITY INDEX) (1967 = 100)

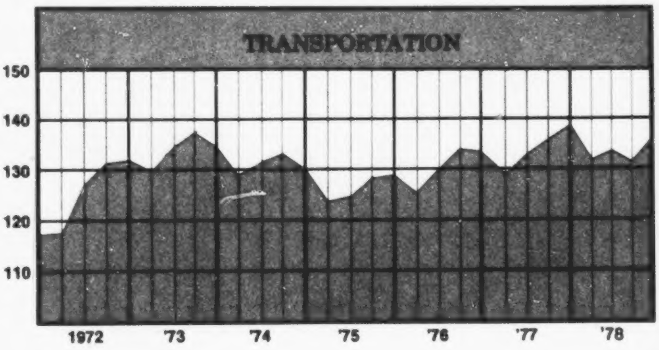
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	137.2	125.8	117.5	126.0	134.8	140.0
Apr.-June	142.6	130.0	117.6	131.0	137.5	143.1
July-Sept.	145.9	129.6	125.3	134.4	140.3	146.8
Oct.-Dec.	145.7	126.8	125.3	131.8	140.8	153.0



TRANS., COMM., UTILITIES

(INCLUDES WAGES & EMPLOY.) (1967 = 100)

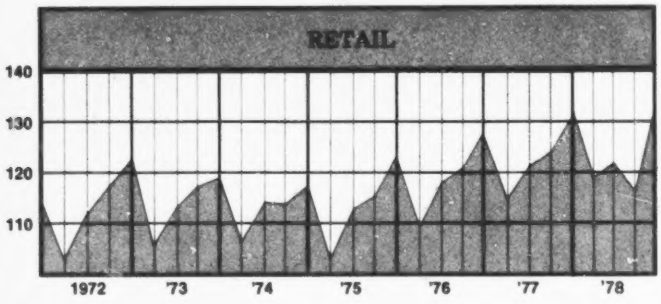
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	130.0	129.7	124.6	126.0	129.1	131.9
Apr.-June	134.7	131.8	125.2	130.0	132.4	133.1
July-Sept.	138.9	133.5	129.3	134.7	135.5	131.4
Oct.-Dec.	135.6	131.5	129.9	133.7	137.0	135.7



RETAIL TRADE

(INCLUDES EMPLOY. & TAXABLE RETAIL SALES) (1967 = 100)

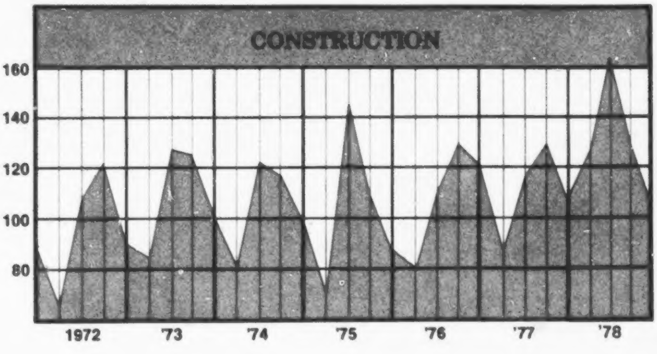
	1973	1974	1975	1976	1977	1978
Jan.-Mar.	105.5	106.7	103.7	109.5	113.9	119.6
Apr.-June	112.0	114.3	112.8	118.2	121.4	121.8
July-Sept.	117.6	114.1	115.0	120.1	124.2	116.3
Oct.-Dec.	119.7	118.6	122.3	127.8	130.6	131.1

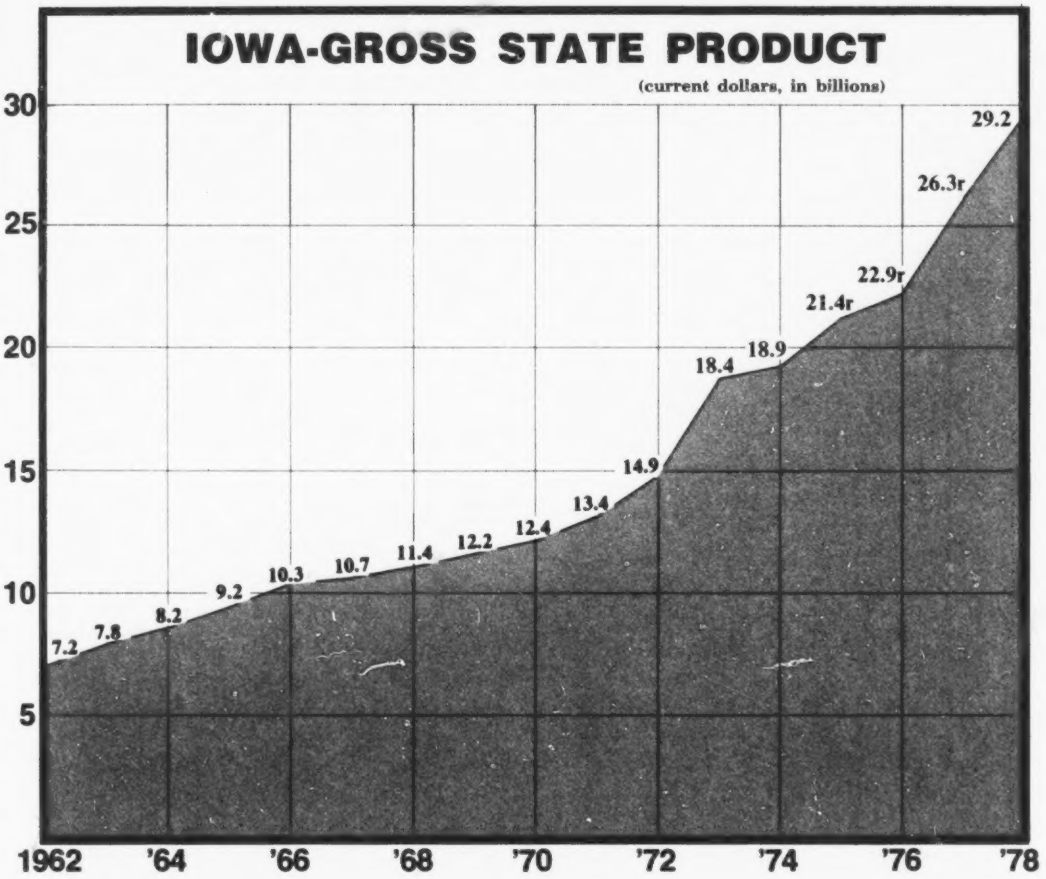


CONSTRUCTION

(INCLUDES EMPLOY. & VALUES OF CONSTRUCTION) (1967 = 100)

	1973	1974	1975	1976	1977	1978
Jan.-Mar.	84.8	80.0	68.9	79.2	84.9	127.3
Apr.-June	127.7	120.7	147.5	111.9	118.0	163.8
July-Sept.	123.5	118.0	112.8	130.8	127.7	127.9
Oct.-Dec.	100.4	99.7	95.8	122.4	109.1	108.2





gross state product, Iowa (current dollars, in millions)

G. S. P. is an estimate of the current market value of all final goods and services produced by the Iowa economy by a methodology similar to that used in calculating the U. S. Gross National Product.

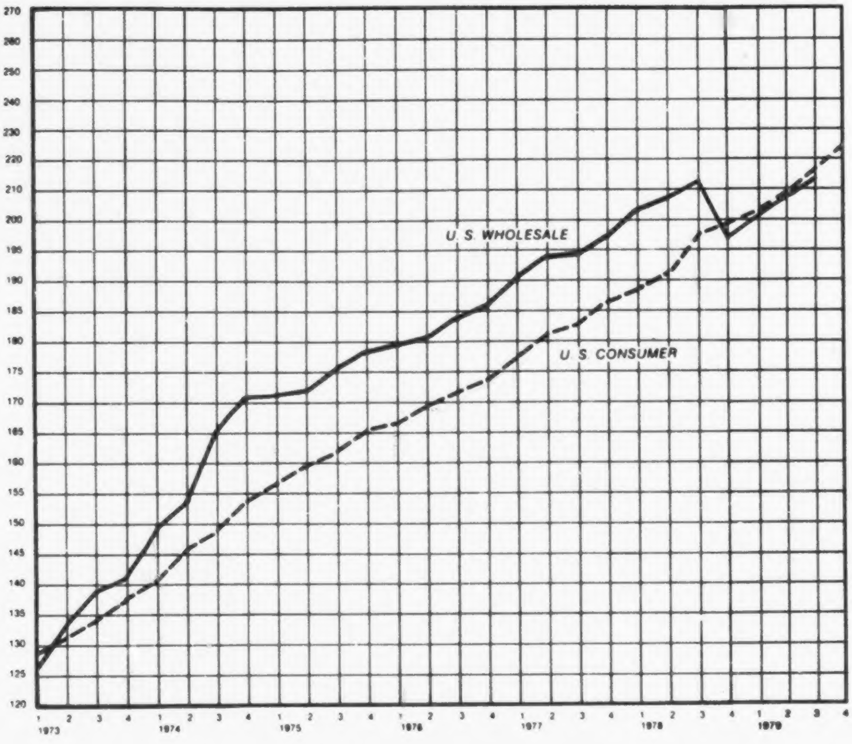
	1970	1973	1974	1975r	1976r	1977r	1978
Gross State Product	$12,380.0	$18,352.5	$18,817.8	$21,429.2	$22,862.0	$26,267.7	$29,201.9
Farm	1,963.7	3,635.3	2,842.6	3,247.7	2,635.3	3,078.6	3,963.3
Government	1,194.0	1,552.6	1,683.4	1,942.3	2,185.4	2,364.5	2,515.9
Private, Non-Farm	9,922.3	13,164.6	14,436.8	16,239.2	18,041.3	20,824.6	22,722.7
Mining	52.4	73.1	109.5	107.6	74.8	82.1	89.4
Construction	560.7	703.9	838.1	932.8	1,094.0	1,219.1	1,378.5
Manufacturing	3,360.6	4,710.5	4,942.4	5,666.9	6,162.5	7,590.1	8,002.7
Trade	2,242.4	2,777.7	3,091.6	3,568.6	3,977.5	4,280.9	4,668.5
Trans., Comm., Utilities	922.8	1,315.3	1,448.3	1,580.9	1,733.2	1,956.4	2,178.0
Services	1,187.8	1,457.9	1,612.9	1,863.7	2,116.7	2,366.4	2,704.5
Fin., Ins., Real Estate	1,503.9	1,985.0	2,189.7	2,475.2	2,817.2	3,277.5	3,640.2
Other	91.7	141.2	198.3	43.5	45.4	52.1	60.9
Iowa as a Percent of **U.S. Gross National Product**	1.33%	1.40%	1.33%	1.40%	1.34%	1.38%	1.37%

Source: Resource and Support Division, Iowa Development Commission.
r — revised

producer and consumer price indexes, U.S.

PRODUCER AND CONSUMER PRICE INDEXES

1967 = 100
UNADJUSTED



	AVERAGE FOR THREE **MONTH PERIOD ENDING**	United States Consumer (Wage Earners) Quarter	Annual Average	United States Producer Quarter	Annual Average
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Apr.	[illegible]		[illegible]	
	July	[illegible]		[illegible]	
	[illegible]	[illegible]		[illegible]	
1974	Jan.	141.4	147.7	149.2	160.1
	Apr.	145.4		154.5	
	July	149.9		165.4	
	Oct.	154.2		171.2	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Apr.	[illegible]		[illegible]	
	July	[illegible]		[illegible]	
	[illegible]	[illegible]		[illegible]	
1976	Jan.	167.1	170.5	179.4	182.9
	Apr.	169.2		182.1	
	July	171.9		184.2	
	Oct.	173.8		186.0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Apr.	[illegible]		[illegible]	
	July	[illegible]		[illegible]	
	[illegible]	[illegible]		[illegible]	
1978	Jan.	188.3		201.9	
	Apr.	193.3		207.9	
	July	197.8		211.1	
	Oct.	199.3	184.4	197.3	194.8
[illegible]	[illegible]	[illegible]		[illegible]	
	Apr.	[illegible]		[illegible]	
	July	[illegible]		[illegible]	

Source: Office of Planning and Programming.

Iowa population absorbed as it grows; no "boom or bust mushrooming"

	The State			Urban				Rural			Percent of total	
		Change From Preceding Census				Change From Preceding Census			Change From Preceding Census			
	Population[1]	Number	Percent	Places of 2,500 or More	Population	Number	Percent	Population	Number	Percent	Urban	Rural
Current urban definition:												
1970 (Apr. 1)	2,825,041	67,504	2.4	111	1,616,405	153,893	10.5	1,207,971	87,054	6.7	57.2	42.8
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,462,512	211,574	16.9	1,295,025	75,110	5.5	53.0	47.0
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,250,938	....	...	1,370,135	....	...	47.7	52.3
Previous urban definition:												
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,439,525	210,092	17.1	1,318,012	73,628	5.3	52.2	47.8
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,229,433	145,202	13.4	1,391,640	62,397	4.3	46.9	53.1
1940 (Apr. 1)	2,538,268	67,329	2.7	89	1,084,231	104,939	10.7	1,454,037	37,610	2.5	42.7	57.3
1930 (Apr. 1)	2,470,939	66,918	2.8	81	979,292	103,797	11.9	1,491,647	36,879	2.4	39.6	60.4
1920 (Jan. 1)	2,404,021	179,250	8.1	81	875,495	195,441	28.7	1,528,526	16,191	1.0	36.4	63.6
1910 (Apr. 15)	2,224,771	7,082	0.3	69	680,054	107,668	18.8	1,544,717	114,750	6.9	30.6	69.4
1900 (June 1)	2,231,853	319,556	16.7	70	572,386	166,622	41.1	1,659,467	152,934	10.2	25.6	74.4
1890 (June 1)	1,912,297	287,682	17.7	46	405,764	158,337	64.0	1,506,533	129,345	9.4	21.2	78.8
1880 (June 1)	1,624,615	430,595	36.1	34	247,427	91,100	58.3	1,377,188	339,495	32.7	15.2	84.8
1870 (June 1)	1,194,020	519,107	76.9	22	156,327	96,299	160.4	1,037,693	422,808	68.8	13.1	86.9
1860 (June 1)	674.913	482,699	251.1	9	60,028	50,298	516.9	614,885	432,401	237.0	8.9	91.1
1850 (June 1)	192,214	149,102	345.8	3	9,730	9,730	...	182,484	139,372	323.3	5.1	94.9
1840 (June 1)	43,112[1]	....	....	..	....	....	...	43,112	....	...	...	100.0

Includes population of area now constituting that part of Minnesota lying west of the Mississippi River and a line drawn from its source northward to the Canadian boundary. This area formed part of Iowa Territory in 1840.

Source: "Characteristics of The Population-Iowa", U.S. Department of Commerce, Bureau of The Census, Issued Feb. 1973

population — midwest states, 1970

Midwest States		Resident Population	Population Abroad	Apportionment Population	%Change 1960-70	Population Per Sq. Mile	Percent Urban	Number of Households	Persons Per Household
Illinois	5	11,113,976	70,344	11,184,320	10.2	199.4	83.0	3,502,138	3.09
Iowa	25	2,825,041	21,879	2,846,920	2.4	50.5	57.2	896,311	3.05
Kansas	28	2,249,071	16,775	2,265,846	3.2	27.5	66.1	727,364	2.97
Minnesota	19	3,805,069	28,104	3,833,173	11.5	48.0	66.4	1,153,946	3.20
Missouri	13	4,677,399	40,635	4,718,034	8.3	67.8	70.1	1,520,567	2.98
Nebraska	35	1,483,791	13,029	1,496,820	5.1	19.4	61.5	473,721	3.02
South Dakota	45	666,257	6,990	673,247	2.1	8.8	44.6	200,807	3.18
Wisconsin	16	4,417,933	29,080	4,447,013	11.8	81.1	65.9	1,328,804	3.22
Midwest	..	31,238,537	226,836	31,465,373	8.5	55.9	71.5	9,803,658	3.09
United States	..	203,235,298	1,580,998	204,053,325	13.3	57.5	73.5	63,449,747	3.11

Estimated as set forth in the Constitution to provide a basis for the apportionment of members of the House of Representatives among the states.
Source: 1970 Census of Population, "Number of Inhabitants" U.S. Department of Commerce, Bureau of the Census, issued May 1972.

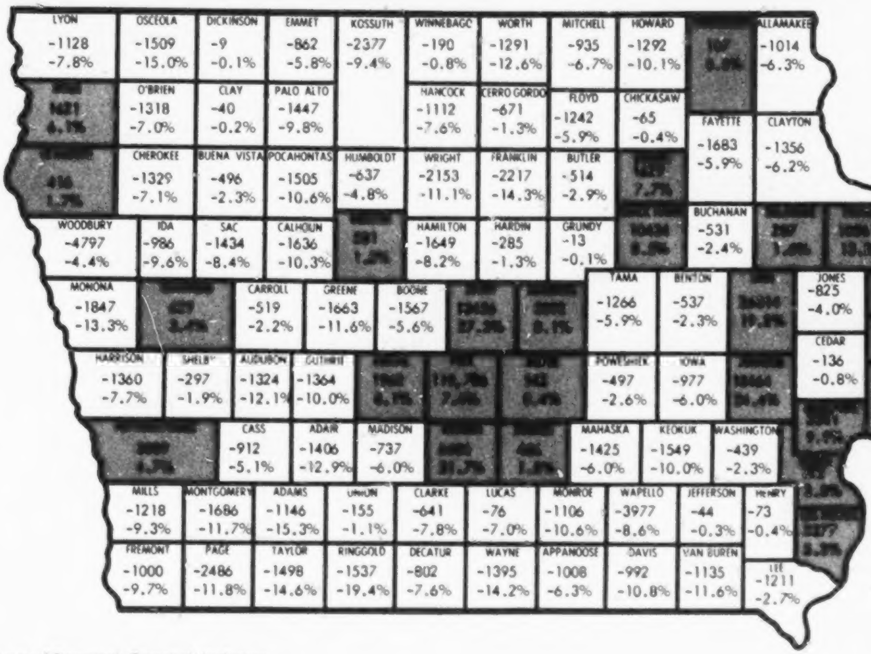
population estimates midwest states, 1978

	July 1 1978	July 1 1977	April 1 1970	Change, 1970 to 1978		Number of Households	
State (thousands)	(provisional)		(Census)[1]	Number	Percent	July 1, 1977	July 1, 1978
Illinois	11,243	11,228	11,110	132	1.2	3,860	3,929
Iowa	2,896	2,888	2,825	70	2.5	1,009	1,027
Kansas	2,348	2,320	2,249	99	4.4	829	851
Minnesota	4,008	3,980	3,806	202	5.3	1,350	1,386
Missouri	4,860	4,822	4,678	182	3.9	1,709	1,748
Nebraska	1,565	1,555	1,485	80	5.4	543	556
South Dakota	690	688	666	23	3.5	231	235
Wisconsin	4,679	4,644	4,418	261	5.9	1,557	1,598
United States	218,059	216,383	203,302	14,757	7.3	74,588	76,473

[1] Includes officially recognized changes to census counts through November, 1976. The official 1970 census counts used in apportionment are shown in 1970 Census of the Population, Volume 1, Characteristics of the Population, Part A, Number of Inhabitants, p. VIII.

Source: U.S. Department of Commerce, Bureau of the Census, "Population Estimates and Projections," p. 25, April, 1979.

population change — 1960-1970



LYON -1128 -7.8%
OSCEOLA -1509 -15.0%
DICKINSON -9 -0.1%
EMMET -862 -5.8%
KOSSUTH -2377 -9.4%
WINNEBAGO -190 -0.8%
WORTH -1291 -12.6%
MITCHELL -935 -6.7%
HOWARD -1292 -10.1%
ALLAMAKEE -1014 -6.3%
O'BRIEN -1318 -7.0%
CLAY -40 -0.2%
PALO ALTO -1447 -9.8%
HANCOCK -1112 -7.6%
CERRO GORDO -671 -1.3%
FLOYD -1242 -5.9%
CHICKASAW -65 -0.4%
FAYETTE -1683 -5.9%
CLAYTON -1356 -6.2%
CHEROKEE -1329 -7.1%
BUENA VISTA -496 -2.3%
POCAHONTAS -1505 -10.6%
HUMBOLDT -637 -4.8%
WRIGHT -2153 -11.1%
FRANKLIN -2217 -14.3%
BUTLER -514 -2.9%
BUCHANAN -531 -2.4%
WOODBURY -4797 -4.4%
IDA -986 -9.6%
SAC -1434 -8.4%
CALHOUN -1636 -10.3%
HAMILTON -1649 -8.2%
HARDIN -285 -1.3%
GRUNDY -13 -0.1%
MONONA -1847 -13.3%
CARROLL -519 -2.2%
GREENE -1663 -11.6%
BOONE -1567 -5.6%
TAMA -1266 -5.9%
BENTON -537 -2.3%
JONES -825 -4.0%
CEDAR -136 -0.8%
HARRISON -1360 -7.7%
SHELBY -297 -1.9%
AUDUBON -1324 -12.1%
GUTHRIE -1364 -10.0%
POWESHIEK -497 -2.6%
IOWA -977 -6.0%
CASS -912 -5.1%
ADAIR -1406 -12.9%
MADISON -737 -6.0%
MAHASKA -1425 -6.0%
KEOKUK -1549 -10.0%
WASHINGTON -439 -2.3%
MILLS -1218 -9.3%
MONTGOMERY -1686 -11.7%
ADAMS -1146 -15.3%
UNION -155 -1.1%
CLARKE -641 -7.8%
LUCAS -76 -7.0%
MONROE -1106 -10.6%
WAPELLO -3977 -8.6%
JEFFERSON -44 -0.3%
HENRY -73 -0.4%
FREMONT -1000 -9.7%
PAGE -2486 -11.8%
TAYLOR -1498 -14.6%
RINGGOLD -1537 -19.4%
DECATUR -802 -7.6%
WAYNE -1395 -14.2%
APPANOOSE -1008 -6.3%
DAVIS -992 -10.8%
VAN BUREN -1135 -11.6%
LEE -1211 -2.7%

Top Figure — Change in population
Lower Figure — % Change, 1960-1970

☐ Counties that increased in population

Source: U.S. Department of Commerce, Bureau of the Census, "Characteristics of the Population", February 1973

population and land area of counties, 1970 and 1960

	1970 Population						1960 Population			Percent Change, 1960 to 1970		
	Land Area in Square Miles, 1970	Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
Urban & Rural	55,941	2,825,041[1]	50.5	1,616,405	57.2	1,207,971	2,757,537	1,462,512	1,295,025	2.4	10.5	-6.7
Adair	569	9,487	16.7	....	...	9,487	10,893	....	10,893	-12.9	...	-12.9
Adams	426	6,322	14.8	....	...	6,322	7,468	....	7,468	-15.3	...	-15.3
Allamakee	636	14,968	23.5	3,883	25.9	11,085	15,982	3,639	12,343	-6.3	6.7	-10.2
Appanoose	523	15,007	28.7	6,531	43.5	8,476	16,015	6,629	9,386	-6.3	-1.5	-9.7
Audubon	448	9,595	21.4	2,907	30.3	6,688	10,919	2,928	7,991	-12.1	-0.7	-16.3
Benton	718	22,885	31.9	7,655	33.4	15,230	23,422	7,704	15,718	-2.3	-0.6	-3.1
Black Hawk	568	132,916	234.0	112,881	84.9	20,035	122,482	102,827	19,655	8.5	9.8	1.9
Boone	573	26,470	46.2	12,468	47.1	14,002	28,037	12,468	15,569	-5.6	...	-10.1
Bremer	439	22,737	51.8	7,205	31.7	15,532	21,108	6,357	14,751	7.7	13.3	5.3
Buchanan	568	21,762	38.3	5,910	27.2	15,836	22,293	5,498	16,795	-2.4	7.5	5.7
Buena Vista	572	20,693	36.2	8,591	41.5	12,102	21,189	7,728	13,461	-2.3	11.2	-10.1
Butler	582	16,953	29.1	....	...	16,953	17,467	....	17,467	-2.9	...	-2.9
Calhoun	571	14,292[1]	25.0	....	...	14,292[1]	15,923	....	15,923	10.2[1]	...	10.2
Carroll	574	22,912	39.9	8,716	38.0	14,196	23,431	7,682	15,749	-2.2	13.5	-9.9
Cass	559	17,007	30.4	7,306	43.0	9,701	17,919	6,890	11,029	-5.1	6.0	12.1
Cedar	585	17,655	30.2	2,877	16.3	14,778	17,791	2,862	14,929	-0.8	0.5	-1.0
Cerro Gordo	575	49,223	85.6	36,921	74.8	12,414	49,894	36,800	13,094	-1.3	0.3	-5.2
Cherokee	573	17,269	30.1	7,272	42.1	9,997	18,598	7,724	10,874	-7.1	-5.9	8.1
Chickasaw	505	14,969	29.6	3,621	24.2	11,348	15,034	3,456	11,578	-0.4	4.8	-2.0
Clarke	429	7,581	17.7	3,124	41.2	4,457	8,222	3,350	4,872	-7.8	-6.8	-8.5
Clay	570	18,464	32.4	10,278	55.7	8,186	18,504	8,864	9,640	-0.2	16.0	15.1
Clayton	779	20,606	26.5	....	...	20,606	21,962	....	21,962	-6.2	...	6.2
Clinton	693	56,749	81.9	41,836	73.7	14,913	55,060	36,813	18,247	3.1[1]	13.6	18.3
Crawford	716	19,116[1]	26.7[1]	5,882	31.3	12,898	18,569	4,930	13,639	2.9[1]	19.3	5.4
Dallas	597	26,085	43.7	6,906	26.5	19,179	24,123	6,442	17,681	8.1	7.2	8.5
Davis	509	8,207	16.1	2,718	33.1	5,489	9,199	2,771	6,428	10.8	-1.9	14.6
Decatur	530	9,737	18.4	2,540	26.1	7,197	10,539	....	10,539	-7.6	...	31.7
Delaware	572	18,770	32.8	4,714	25.1	14,056	18,483	4,482	14,001	1.6	5.2	0.4
Des Moines	408	46,982	115.2	35,505	75.6	11,477	44,605	34,990	9,615	5.3	1.5	19.4
Dickinson	380	12,565	33.1	3,014	24.0	9,551	12,574	2,685	9,889	0.1	12.3	3.4

population and land area of counties, 1970 and 1960 (continued)

		1970 Population										
	Land Area in Square Miles, 1970	Total		Urban		Rural	1960 Population			Percent Change 1960 to 1970		
Urban & Rural		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
Dubuque	612	90,609	148.1	66,506	73.4	24,103	80,048	60,103	19,945	13.2	10.7	20.8
Emmet	394	14,009	35.6	8,108	57.9	5,901	14,871	7,927	6,944	-5.8	2.3	-15.0
Fayette	728	26,898	36.9	10,359	38.5	16,539	28,581	10,833	17,748	-5.9	-4.4	-6.8
Floyd	503	19,860	39.5	9,268	46.7	10,592	21,102	9,964	11,138	-5.9	-7.0	-4.9
Franklin	586	13,255	22.6	4,376	33.0	8,879	15,472	4,501	10,971	-14.3	-2.8	-19.1
Fremont	524	9,282	17.7			9,282	10,282		10,282	-9.7		-9.7
Greene	569	12,716	22.3	4,735	37.2	7,981	14,379	4,570	9,809	-11.6	3.6	-18.6
Grundy	501	14,119	28.2	2,712	19.2	11,407	14,132		14,132	-0.1		-19.3
Guthrie	596	12,243	20.5			12,243	13,607		13,607	-10.0		-10.0
Hamilton	577	18,383	31.9	8,488	46.2	9,895	20,032	8,520	11,512	-8.2	-0.4	-14.1
Hancock	570	13,506	23.7	115	0.9	13,112	14,604		14,604	-7.5		-10.2
Hardin	574	22,248	38.8	9,677	43.5	12,571	22,533	8,790	13,743	-1.3	10.1	-8.5
Harrison	696	16,240	23.3	3,519	21.7	12,721	17,600	3,567	14,033	-7.7	-1.4	-9.4
Henry	440	18,114	41.2	7,007	38.7	11,107	18,187	7,339	10,848	-0.4	-4.5	2.4
Howard	471	11,442	24.3	3,927	34.3	7,515	12,734	3,809	8,925	-10.1	3.1	-15.8
Humboldt	435	12,519	28.8	4,665	37.3	7,854	13,156	4,031	9,125	-4.8	15.7	-13.9
Ida	431	9,283	21.5			9,190	10,269		10,269	-9.6		-10.5
Iowa	584	15,419	26.4			15,419	16,396		16,396	-6.0		-6.0
Jackson	644	20,839	32.4	5,677	27.2	15,162	20,754	5,909	14,845	0.4	-3.9	2.1
Jasper	731	35,425	48.5	15,619	44.1	19,806	35,282	15,381	19,901	0.4	1.5	-0.5
Jefferson	436	15,774	36.2	8,715	55.2	7,059	15,818	8,054	7,764	-0.3	8.2	-9.1
Johnson	619	72,127	116.5	52,980	73.5	19,147	53,663	33,443	20,220	34.4	58.4	-5.3
Jones	585	19,868	34.0	7,898	39.8	11,970	20,693	7,806	12,887	4.0	1.2	-7.1
Keokuk	579	13,943	24.1			13,943	15,492		15,492	-10.0		-10.0
Kossuth	979	22,937	23.4	6,032	26.3	16,905	25,314	5,702	19,612	-9.4	5.8	-13.8
Lee	527	42,996	81.6	28,627	66.6	14,369	44,207	31,563	12,644	-2.7	-9.3	13.6
Linn	717	163,213	227.6	135,026	82.7	28,187	136,899	107,711	29,188	19.2	25.4	-3.4
Louisa	403	10,682	26.5			10,682	10,290		10,290	3.8		3.8
Lucas	434	10,163	23.4	5,009	49.3	5,154	10,923	5,042	5,881	-7.0	-0.7	-12.4
Lyon	588	13,340	22.7	2,632	19.7	10,708	14,468	2,780	11,688	-7.8	-5.3	-8.4
Madison	564	11,558	20.5	3,654	31.6	7,904	12,295	3,639	8,656	-6.0	0.4	-8.7
Mahaska	572	22,177	38.8	11,224	50.6	10,953	23,602	11,053	12,549	-6.0	1.5	-12.7
Marion	498	26,352	52.9	14,423	54.7	11,929	25,886	13,015	12,871	1.8	10.8	-7.3
Marshall	574	41,076	71.6	26,219	63.8	14,857	37,984	22,521	15,463	8.1	16.4	-3.9
Mills	447	11,832	26.5	4,195	36.1	7,411	13,050	4,783	8,267	-9.3	-12.3	-10.4
Mitchell	467	13,108	28.1	3,815	29.1	9,293	14,043	3,753	10,290	-6.7	1.7	-9.7
Monona	699	12,069	17.3	3,154	26.1	8,915	13,916	3,176	10,740	-13.3	-0.7	-17.0
Monroe	435	9,357	21.5	4,151	44.4	5,206	10,463	4,582	5,881	-10.6	-9.4	-11.5
Montgomery	422	12,781	30.3	6,210	48.6	6,571	14,467	6,421	8,046	-11.7	-3.3	-18.3
Muscatine	443	37,181	83.9	22,405	60.3	14,776	33,840	20,997	12,843	9.9	6.7	15.1
O'Brien	575	17,522	30.5	4,535	25.9	12,987	18,840	4,251	14,589	-7.0	6.7	-11.0
Osceola	398	8,555	21.5	2,749	32.1	5,806	10,064	2,852	7,212	-15.0	-3.6	-19.5
Page	535	18,537	34.6	11,388	61.5	7,119	21,023	11,470	9,553	-11.8	-0.7	-25.5
Palo Alto	561	13,289	23.7	4,150	31.2	9,139	14,736	3,887	10,849	-9.8	6.8	-15.8
Plymouth	863	24,322	28.2	8,159	33.6	16,153	23,906	6,767	17,139	1.7	20.6	-5.8
Pocahontas	581	12,793[1]	22.0			12,729	14,234		14,234	-10.1[1]		-10.6
Polk	578	286,130[1]	496.0	265,764	92.9	20,337	266,315	244,079	22,236	7.4	8.9	-8.6
Pottawattamie	963	86,991	90.3	64,847	74.5	22,144	83,102	60,547	22,555	4.7	7.1	-1.8
Poweshiek	589	18,803	31.9	8,402	44.7	10,401	19,300	7,367	11,933	-2.6	14.0	-12.8
Ringgold	538	6,373	11.8			6,373	7,910		7,910	-19.4		-19.4
Sac	578	15,573	26.9	3,268	21.0	12,305	17,007	3,354	13,653	-8.4	-2.6	-9.9
Scott	454	142,687	314.3	126,295	88.5	16,392	119,067	101,018	18,049	19.8	25.0	-9.2
Shelby	587	15,528	26.5	5,049	32.5	10,479	15,825	4,350	11,475	-1.9	16.1	-8.7
Sioux	766	27,996	36.5	9,811	35.0	18,185	26,375	5,251	21,124	6.1	86.8	-13.9
Story	568	62,783	110.5	44,457	70.8	18,326	49,327	31,230	18,097	27.3	42.4	1.3
Tama	720	20,147	28.0	3,000	14.9	17,147	21,413	5,775	15,638	-5.9	-48.1	9.6
Taylor	528	8,790	16.6			8,790	10,288		10,288	-14.6		-14.6
Union	425	13,557	31.9	8,234	60.7	5,323	13,712	7,667	6,045	-1.1	7.4	-12.0
Van Buren	487	8,643	17.7			8,643	9,778		9,778	-11.6		-11.6
Wapello	437	42,149	96.5	29,610	70.3	12,539	46,126	33,871	12,255	-8.6	-12.6	2.3
Warren	558	27,432	49.2	10,917	39.8	16,515	20,829	7,062	13,767	31.7	54.6	20.0
Washington	568	18,967	33.4	6,317	33.3	12,650	19,406	6,037	13,369	-2.3	4.6	-5.4
Wayne	532	8,405	15.8			8,405	9,800		9,800	-14.2		-14.2
Webster	718	48,391	67.4	31,263	64.6	17,128	47,810	28,399	19,411	1.2	10.1	-11.8
Winnebago	401	12,990	32.4	3,726	28.7	9,264	13,099	2,930	10,169	-0.8	27.2	-8.9
Winneshiek	688	21,758	31.6	7,458	34.3	14,300	21,651	6,435	15,216	0.5	15.9	-6.0
Woodbury	871	103,052	118.3	87,157	84.6	15,895	107,849	89,990	17,859	-4.4	-3.2	-11.0
Worth	400	8,984[1]	22.5			8,984[1]	10,259		10,259	-12.4[1]		-12.4[1]
Wright	577	17,294	30.0	7,461	43.1	9,833	19,447	10,119	9,328	-11.1	-26.3	5.4

[1] Revised.

Note: Categories will not add to totals.

Source: "Characteristics of the Population—Iowa," U.S. Department of Commerce, Bureau of The Census. Issued Feb. 1973.

special censuses taken Iowa, 1970-77

Area	County	Date of special census	Population			
			Total		Increase	
			Special census	April 1, 1970	Number	Percent
Taken 4/1/70 to 12/31/72						
Asbury town	Dubuque	Nov. 28, 1972	643	410	233	56.8
Deacon town	Mahaska	Feb. 29, 1972	431	338	93	27.5
Eddyville town	Mahaska, Monroe and Wapello	Nov. 30, 1971	970	945	25	2.6
Rippey town	Greene	Oct. 30, 1972	308	270	38	14.1
Sergeant Bluff town	Woodbury	Nov. 25, 1971	2,054	1,153	901	78.1
Taken 1/1/73 to 6/30/73						
Comanche city	Clinton	May 14	4,367	3,470	897	25.9
Le Grand town	Marshall	May 22	805	565	240	12.5
Monticello city	Jones	May 17	3,669	3,509	160	1.6
Remsen town	Plymouth	January 15	1,440	1,367	73	5.3
Taken 1/1/73 to 12/31/73						
Clear Lake city	Cerro Gordo	September 14	6,876	6,430	446	6.9
DeSoto city	Dallas	December 3	572	369	203	55.0
Farmersburg city	Clayton	October 8	280	232	48	47.0
Huxley town	Story	August 22	1,377	937	440	47.0
Taken 1/1/74 to 6/30/74						
Belmond city	Wright	June 24	2,421	2,358	63	2.7
Dakota City town	Humboldt	June 25	867	746	121	16.2
Humboldt city	Humboldt	April 22	4,572	4,665	-93	-2.0
Sherrill town	Dubuque	January 21	241	190	51	26.8
Taken 7/1/74 to 12/31/74						
Altoona city	Polk	November 6	4,151	2,883	1,268	44.0
Carlisle city	Polk & Warren	August 26	2,768	2,246	522	23.2
Cedar Falls city	Black Hawk	October 11	33,154	29,597	3,557	12.0
Charles City city	Floyd	December 10	9,119	9,268	-149	-1.6
Dayton city	Webster	August 26	928	909	19	2.1
Earlham town	Madison	October 10	1,069	974	95	9.8
Hampton city	Franklin	December 4	4,450	4,376	74	1.7
Jesup city	Buchanan	September 30	1,899	1,662	237	14.3
Johnson County	Johnson	September 20	75,025	72,127	2,898	4.0
Big Grove township			2,038	1,795	243	13.5
Solon city			960	837	123	14.7
Cedar township			423	425	-2	-0.5
Clear Creek township			1,313	1,273	40	3.1
Coralville city (part)			677	661	16	2.4
North Liberty city (part)			30	–	–	–
Tiffin city			311	299	12	4.0
East Lucas township			354	348	6	1.7
Fremont township			1,445	1,422	23	1.6
Lone Tree city			936	834	102	12.2
Graham township			506	552	-46	-8.3
Hardin township			519	586	-67	-11.4
Iowa City township			47,744	46,850	894	1.9
Iowa City city			47,744	46,850	894	1.9
Jefferson township			1,976	1,593	383	24.0
Shueyville city			194	154	40	26.0
Swisher city			607	417	190	45.6
Liberty township			950	948	2	0.2
Hills city			518	507	11	2.2
Lincoln township			293	317	-24	-7.6
Madison township			309	310	-1	-0.3
North Liberty city (part)			19	–	–	–
Monroe township			485	484	1	0.2
Newport township			754	651	103	15.8
Oxford township			1,346	1,229	117	9.5
Oxford city			703	666	37	5.6
Penn township			3,385	2,491	894	35.9
Coralville city (part)			884	509	375	73.7
North Liberty city (part)			1,359	1,055	304	28.8
Pleasant Valley township			345	375	-30	-8.0
Scott township			1,395	1,045	350	33.5
Sharon township			1,106	1,067	39	3.7
Union township			574	632	-58	-9.2
Washington township			1,030	1,120	-90	-8.0
West Lucas township			6,735	6,614	121	1.8
Coralville city (part)			5,044	4,960	84	1.7
University Heights city			1,181	1,265	-84	-6.6
Kalona city	Washington	October 10	1,568	1,488	80	5.4
Marion city	Linn	October 30	18,190	18,028	162	0.9
Newhall town	Benton	November 12	875	701	174	24.8
Norwalk town	Warren	August 13	2,313	1,745	568	32.6
Primghar city	O'Brien	October 29	1,016	995	21	2.1
Riverside city	Washington	October 1	794	758	36	4.7
Sioux Center city	Sioux	September 17	3,996	3,450	546	15.8
Van Meter city	Dallas	August 13	619	464	155	33.4
Wellman town	Washington	August 14	1,134	977	157	16.1
Wilton town	Cedar and Muscatine	September 9	2,049	1,873	176	9.4
Taken 1/1/75 to 6/30/75						
Arnolds Park town	Dickinson	June 24	1,080	970	110	11.3
Bettendorf city	Scott	April 16	24,290	22,126	2,164	9.8
Bondurant city	Polk	April 28	1,255	462	793	171.6
Davenport city	Scott	February 14	99,836	98,469	1,267	1.4
Dyersville city	Delaware and Dubuque	April 7	3,588	3,437	151	4.4

special censuses taken Iowa, 1970-77 (continued)

Area	County	Date of special census	Population: Total: Special census	Population: Total: April 1, 1970	Population: Increase: Number	Population: Increase: Percent
Grimes city	Polk	June 26	1,342	834	508	60.9
Indianola city	Warren	February 20	9,611	8,852	759	8.6
Marshalltown city	Marshall	April 22	26,506	26,219	287	1.1
Mount Vernon city	Linn	April 7	3,268	3,018	250	8.3
Okoboji city	Dickinson	June 24	565	361	204	56.5
Pleasant Hill town	Polk	January 13	2,538	1,535	1,003	65.3
Rock Rapids city	Lyon	June 24	2,735	2,632	103	3.9
Rock Valley city	Sioux	February 18	2,455	2,205	250	11.3
Sibley city	Osceola	June 24	2,955	2,749	206	7.5
Spirit Lake city	Dickinson	June 23	3,393	3,014	379	12.6
West Des Moines city	Polk	June 24	20,712	16,441	4,271	26.0
Taken 7/1/75 to 12/31/75						
Adel city	Dallas	July 22	2,771	2,419	352	14.6
Ames city	Story	September 12	43,561	39,505	4,056	10.3
Ankeny city	Polk	September 18	13,212	9,151	4,061	44.4
Balltown town	Dubuque	October 8	107	79	28	35.4
Blue Grass town	Scott	August 18	1,268	1,032	236	22.9
Cedar Rapids city	Linn	July 14	108,987	110,642	1,655	1.5
Clive city	Polk	October 9	4,347	3,005	1,342	44.7
Denver city	Bremer	August 25	1,358	1,169	189	16.2
Dubuque city	Dubuque	September 30	61,728	62,309	-581	-0.9
Dunkerton city	Black Hawk	August 25	588	563	25	4.4
Eldridge city	Scott	August 11	2,624	1,535	1,089	70.9
Elk Run Heights city	Black Hawk	August 25	1,060	1,175	-115	-9.8
Forest City city	Hancock and Winnebago	December 8	4,506	3,841	665	17.3
Gilbert city	Story	September 16	715	521	194	37.2
Gilbertville city	Black Hawk	August 25	673	655	18	2.7
Goose Lake city	Clinton	October 23	248	218	30	13.8
Grinnell city	Poweshiek	August 28	8,685	8,402	283	3.4
Hiawatha city	Linn	October 21	3,734	2,416	1,318	5.5
La Porte City city	Black Hawk	August 25	2,304	2,256	48	2.1
Lorimor city	Union	December 1	377	346	31	9.0
Mediapolis town	Des Moines	August 5	1,550	1,242	308	24.8
Milford city	Dickinson	November 3	1,744	1,668	76	4.6
Milo town	Warren	August 26	680	561	119	21.2
Montrose city	Lee	October 21	870	735	135	13.4
Orange city	Sioux	November 17	4,017	3,572	445	12.5
Osceola city	Clarke	November 10	3,375	3,124	251	8.0
Slater city	Story	September 15	1,223	1,094	129	11.8
Storm Lake city	Buena Vista	September 16	8,589	8,591	-2	–
Toledo city	Tama	July 21	2,356	2,361	-5	-0.2
Urbandale city	Polk	October 7	16,410	14,434	1,976	13.7
Waterloo city	Black Hawk	August 25	73,064	75,533	-2,469	-3.3
Waukee town	Dallas	August 19	2,005	1,577	428	27.1
Waverly city	Bremer	September 9	7,351	7,205	146	2.0
Taken 1/1/76 to 6/30/76						
Albert City city	Buena Vista	June 15	765	683	82	12.0
Alta city	Buena Vista	June 28	1,743	1,717	26	1.5
Bronson city	Woodbury	February 19	242	193	49	25.4
Carroll city	Carroll	June 18	9,218	8,716	502	5.8
Fremont town	Mahaska	May 18	645	480	165	34.4
Hudson city	Black Hawk	April 5	1,970	1,535	435	28.3
Meriden city	Cherokee	June 30	213	167	46	27.5
Parnell city	Iowa	June 15	248	175	73	41.7
Polk City town	Polk	February 26	942	715	227	31.7
Rolfe town	Pocahontas	February 17	838	767	71	9.3
Shenandoah city	Fremont and Page	June 25	6,242	5,968	274	4.6
Story City city	Story	April 19	2,611	2,104	507	24.1
Treynor town	Pottawattamie	May 3	727	472	255	54.0
Walcott town	Scott and Muscatine	January 19	1,282	989	293	29.6
Taken 6/11/76 to 12/31/76						
Asbury town	Dubuque	August 2	1,098	410	688	167.8
Atlantic city	Cass	November 8	7,324	7,306	18	0.3
Atalissa city	Muscatine	November 8	365	244	121	49.6
Elk Horn town	Shelby	July 27	736	667	69	10.3
Harlan city	Shelby	July 16	5,251	5,049	202	4.0
Hartford city	Warren	September 22	801	582	219	37.6
Hinton city	Plymouth	August 6	599	488	111	22.8
Long Grove city	Scott	July 8	399	269	130	48.3
Manchester city	Delaware	July 12	4,914	4,641	273	5.9
Sergeant Bluff city	Woodbury	August 2	2,135	1,164	971	83.4
Springville city	Linn	December 13	1,065	970	95	9.8
Whiting city	Monona	August 3	717	590	127	21.5
Taken 1/1/77 to 6/30/77						
Center Point city	Linn	January 10	1,472	1,456	16	1.1
Clarinda city	Page	January 24	5,312	5,420	-108	-2.0
Glenwood city	Mills	April 4	5,002	4,421	581	13.1
LeClaire city	Scott	June 23	2,619	2,520	99	3.9
Mitchellville city	Polk	June 6	1,430	1,341	89	6.6
Weldon city	Decatur	June 27	193	155	38	24.5
West Bend town	Kossuth and Palo Alto	March 14	965	865	100	11.6
West Branch town	Cedar	March 14	1,612	1,322	290	21.9
Taken 7/1/77 to 12/31/77						
Johnston city	Polk	July 12	2,333	222	2,111	950.9
Panora city	Guthrie	July 13	1,239	982	257	26.2
Taken 1/1/78 to 6/30/78						
Crescent town	Pottawattamie	May 8	487	284	203	71.5
Ely city	Linn	January 11	383	275	108	39.3
Garner city	Hancock	June 5	2,682	2,257	425	18.8
Grimes city	Polk	April 11	1,700	834	866	103.8
Latimer city	Franklin	June 5	444	393	51	13.0
Oakville city	Louisa	May 31	445	369	76	20.6

Source: Special Censuses, Series P. 28, Nos. 1500, 1507, 1508, 1509, 1512, 1522, 1537, 1546, 1552, 1557, 1558, U.S. Department of Commerce, Bureau of the Census.

county population & components of change[1] 1960-70 & 1970-77

State and County	Components of Change, 1960 to 1970				April 1, 1970 (census)[1]	Components of Change, 1970 to 1977[2]				July 1, 1977 (provisional pop. est.)
			Net Migration[2]					Net Migration		
	Births	Deaths	Number	Percent		Births	Deaths	Number	Percent	
Iowa	541,097	290,666	-182,927	-6.6	2,825,368	307,000	209,000	-44,000	-1.6	2,879,000
Adair	1,648	1,303	-1,751	-16.1	9,487	900	800	-200	-1.6	9,400
Adams	1,006	877	-1,275	-17.1	6,322	500	600	-400	-5.9	5,900
Allamakee	3,095	1,828	-2,281	-14.3	14,968	1,600	1,400	200	1.6	15,400
Appanoose	2,693	2,460	-1,241	-7.7	15,007	1,500	1,700	300	1.8	15,100
Audubon	1,654	1,095	-1,883	-17.2	9,595	800	800	-600	-6.5	9,000
Benton	4,092	2,524	-2,105	-9.0	22,885	2,200	1,800	300	1.3	23,600
Black Hawk	28,458	10,630	-7,394	-6.0	132,916	15,000	7,900	-3,400	-2.5	136,700
Boone	4,097	3,270	-2,394	-8.5	26,470	2,400	2,300	-400	-1.5	26,100
Bremer	4,115	1,984	-502	-2.4	22,737	2,300	1,500	400	1.8	23,900
Buchanan	4,531	2,172	-2,890	-13.0	21,762	2,600	1,600	-300	-1.5	22,400
Buena Vista	3,338	2,262	-1,572	-7.4	20,693	2,100	1,700	-700	-3.2	20,400
Butler	2,934	1,820	-1,628	-9.3	16,953	1,800	1,400	-100	-0.4	17,300
Calhoun	2,447	1,819	-2,264	-14.2	14,292	1,200	1,300	-600	-4.0	13,600
Carroll	5,322	2,346	-3,495	-14.9	22,912	2,500	1,800	-200	-0.8	23,400
Cass	3,000	2,172	-1,740	-9.7	17,007	1,600	1,700	-300	-1.6	16,700
Cedar	2,929	1,799	-1,266	-7.1	17,655	1,700	1,400	-200	-1.4	17,700
Cerro Gordo	8,769	5,126	-4,314	-8.6	49,223	4,900	3,800	-2,000	-4.1	48,300
Cherokee	3,160	1,822	-2,667	-14.3	17,269	1,700	1,300	-1,500	-8.7	16,200
Chickasaw	3,138	1,565	-1,638	-10.9	14,969	1,700	1,200	-300	-1.8	15,300
Clarke	1,107	1,135	-613	-7.5	7,581	700	800	300	4.4	7,900
Clay	3,217	1,828	-1,429	-7.7	18,464	1,900	1,400	(Z)	-0.1	19,000
Clayton	3,819	2,724	-2,451	-11.2	20,606	2,300	1,800	-600	-2.7	20,600
Clinton	10,978	5,927	-3,362	-6.1	56,749	6,300	4,300	-1,200	-2.2	57,500
Crawford	3,704	2,014	-1,061	-5.7	19,116	2,200	1,400	-1,300	-6.8	18,600
Dallas	4,352	2,958	568	2.4	26,085	2,900	2,200	1,000	3.8	27,800
Davis	1,237	1,075	-1,154	-12.5	8,207	900	800	400	4.8	8,700
Decatur	1,341	1,420	-723	-6.9	9,737	800	900	200	1.7	9,800
Delaware	4,062	1,902	-1,873	-10.1	18,770	2,200	1,300	-400	-2.0	19,200
Des Moines	8,984	4,980	-1,627	-3.6	46,982	4,800	3,600	-3,400	-7.3	44,700
Dickinson	2,021	1,392	-638	-5.1	12,565	1,300	1,100	1,200	9.9	14,000
Dubuque	21,299	8,524	-2,214	-2.8	90,609	11,200	6,000	1,100	1.3	96,900
Emmet	2,654	1,534	-1,982	-13.3	14,009	1,500	1,100	-800	-5.6	13,600
Fayette	5,160	3,173	-3,670	-12.8	26,898	2,600	2,100	-1,600	-6.1	25,800
Floyd	4,278	2,341	-3,179	-15.1	19,860	2,100	1,600	-600	-2.8	19,800
Franklin	2,259	1,492	-2,984	-19.3	13,255	1,200	1,200	-200	-1.9	13,000
Fremont	1,436	1,323	-1,113	-10.8	9,282	900	1,000	-200	-2.5	9,000
Greene	2,281	1,626	-2,318	-16.1	12,716	1,100	1,200	-700	-5.7	11,900
Grundy	2,364	1,379	-998	-7.1	14,119	1,300	1,000	-400	-2.8	14,100
Guthrie	1,928	1,604	-1,688	-12.4	12,243	1,100	1,200	(Z)	0.1	12,200
Hamilton	3,287	2,114	-2,822	-14.1	18,383	1,700	1,400	-1,100	-6.1	17,600
Hancock	2,458	1,426	-2,144	-14.7	13,506	1,500	1,100	-400	-2.9	13,500
Hardin	3,541	2,643	-1,183	-5.3	22,248	2,000	1,900	-500	-2.0	21,900
Harrison	2,840	2,239	-1,961	-11.1	16,240	1,700	1,500	(Z)	-0.3	16,400
Henry	2,862	2,205	-730	-4.0	18,114	1,800	1,500	-700	-3.7	17,800
Howard	2,166	1,519	-1,939	-15.2	11,442	1,100	1,000	-100	-1.0	11,300
Humboldt	2,192	1,381	-1,448	-11.0	12,519	1,200	1,000	(Z)	(Z)	12,700
Ida	1,483	1,164	-1,305	-12.7	9,283	800	900	-500	-4.9	8,800
Iowa	2,846	1,814	-2,009	-12.3	15,419	1,500	1,300	-400	-2.7	15,200
Jackson	4,859	2,291	-2,483	-12.0	20,839	2,400	1,600	600	2.8	22,200
Jasper	6,112	3,490	-2,479	-7.0	35,425	3,700	2,500	-400	-1.1	36,200

county population & components of change[1], 1960-70 & 1970-77 (continued)

	Components of Change, 1960-1970					Components of Change, 1970 to 1977[2]				
			Net Migration[2]					Net Migration		
State and County	Births	Deaths	Number	Percent	April 1, 1970 (census)[1]	Births	Deaths	Number	Percent	July 1, 1977 (provisional pop. est.)
Jefferson	2,853	1,708	-1,189	-7.5	15,774	1,500	1,300	-1,300	-8.3	14,800
Johnson[3]	14,423	3,879	7,920	14.8	72,127	8,100	2,900	800	1.1	78,100
Jones	3,841	2,134	-2,532	-12.2	19,868	2,100	1,500	-800	-4.0	19,700
Keokuk	2,450	2,110	-1,889	-12.2	13,943	1,200	1,400	-600	-4.5	13,200
Kossuth	4,813	2,294	-4,896	-19.3	22,937	2,300	1,600	-1,000	-4.2	22,700
Lee	7,864	5,185	-3,890	-8.8	42,996	4,400	3,700	-1,400	-3.2	42,300
Linn	34,693	12,658	4,279	3.1	163,213	19,000	9,600	-5,400	-3.3	167,200
Louisa	1,932	1,332	-208	-2.0	10,682	1,200	900	200	1.5	11,100
Lucas	1,560	1,619	-701	-6.4	10,163	900	1,100	-200	-1.9	9,800
Lyon	2,611	1,297	-2,442	-16.9	13,340	1,500	900	-600	-4.8	13,300
Madison	1,736	1,563	-910	-7.4	11,558	1,200	1,100	400	3.8	12,100
Mahaska	3,589	2,876	-2,138	-9.1	22,177	2,300	2,100	-500	-2.3	21,900
Marion	4,388	2,909	-1,013	-3.9	26,352	2,600	2,100	1,000	3.7	27,800
Marshall	7,476	4,184	-200	-0.5	41,076	4,500	2,900	100	0.3	42,800
Mills	1,869	1,296	-1,791	-13.7	11,832	1,400	900	700	5.9	13,000
Mitchell	2,745	1,595	-2,085	-14.8	13,108	1,200	1,100	-600	-4.6	12,600
Monona	1,972	1,687	-2,132	-15.3	12,069	1,100	1,200	-400	-3.0	11,600
Monroe	1,569	1,476	-1,199	-11.5	9,357	900	900	(Z)	-0.3	9,300
Montgomery	1,960	1,960	-1,686	-11.7	12,781	1,300	1,300	200	1.3	12,900
Muscatine	7,367	4,284	-258	-0.8	37,181	4,700	2,800	200	0.6	39,300
O'Brien	3,348	1,935	-2,731	-14.5	17,522	1,700	1,500	-300	-2.0	17,300
Osceola	1,721	840	-2,390	-23.7	8,555	900	700	-700	-8.4	8,000
Page	2,888	2,554	-2,880	-13.4	18,537	1,800	1,900	100	0.7	18,700
Palo Alto	2,603	1,547	-2,503	-17.0	13,289	1,300	1,200	(Z)	-0.3	13,400
Plymouth	4,437	2,326	-1,695	-7.1	24,322	2,600	1,700	-300	-1.4	24,900
Pocahontas	2,362	1,455	-2,566	-18.0	12,793	1,100	1,000	-1,300	-10.5	11,500
Polk	56,683	25,841	-11,056	-4.2	286,130	33,600	18,700	-700	-0.3	300,300
Pottawattamie	18,841	8,119	-6,833	-8.2	86,991	10,[illegible]00	5,700	-4,900	-5.6	86,800
Poweshiek	3,244	2,068	-1,673	-8.7	18,803	1,800	1,500	100	0.6	19,300
Ringgold	914	1,016	-1,435	-18.1	6,373	600	600	-200	-2.9	6,100
Sac	2,700	1,891	-2,243	-13.2	15,573	1,400	1,400	-800	-4.9	14,800
Scott	28,993	12,026	6,653	5.6	142,687	18,500	9,100	1,800	1.2	153,900
Shelby	3,088	1,655	-1,730	-10.9	15,528	1,600	1,200	-700	-4.4	15,200
Sioux	5,224	2,481	-1,122	-4.3	27,996	3,400	1,800	-100	-0.5	29,400
Story	11,453	3,914	5,917	12.0	62,783	6,600	2,900	2,800	4.5	69,200
Tama	3,471	2,474	-2,263	-10.6	20,147	2,000	1,800	-600	-3.2	19,700
Taylor	1,205	1,482	-1,221	-11.9	8,790	700	1,000	-600	-7.0	7,900
Union	2,209	1,963	-401	-2.9	13,557	1,400	1,400	-500	-3.7	13,100
Van Buren	1,533	1,411	-1,257	-12.9	8,643	800	900	100	1.2	8,600
Wapello	7,518	5,148	-6,347	-13.8	42,149	3,900	3,700	-2,000	-4.7	40,400
Warren	4,723	2,055	3,935	18.9	27,432	3,700	1,600	3,500	12.8	33,000
Washington	3,517	2,352	-1,604	-8.3	18,967	2,000	1,600	-500	-2.5	18,800
Wayne	1,216	1,494	-1,117	-11.4	8,405	700	1,000	-100	-0.7	8,100
Webster	9,954	5,063	-4,310	-9.0	48,391	4,900	3,500	-2,700	-5.5	47,100
Winnebago	2,103	1,449	-763	-5.8	12,990	1,300	1,100	400	3.2	13,700
Winneshiek	4,016	2,174	-1,735	-8.0	21,758	2,000	1,500	-500	-2.4	21,700
Woodbury	21,689	11,226	-15,260	-14.1	103,052	12,700	7,700	-5,000	-4.8	103,100
Worth	1,334	1,105	-1,520	-14.8	8,984	800	800	-200	-2.1	8,800
Wright	2,846	2,045	-2,954	-15.2	17,294	1,500	1,500	-800	-4.7	16,500

(Z) Less than 50 persons or less than 0.05 percent.

[1] The total for the state here includes all corrections to the 1970 Census made subsequent to the release of the official counts. The official 1970 Census count for Iowa was 2,825,041.

[2] Births and deaths are based on reported vital statistics from April 1, 1970 to December 31, 1977. Net migration in the difference between net change and natural increase.

[3] The population of Johnson county, as counted in the special census on September 20, 1974, was 75,025. The estimates shown here have been adjusted to reflect this count.

Source: "Components of Population Change By County: 1960-70" and "Estimates of the Population of Iowa Counties and Metropolitan Areas, July 1, 1976 and 1977." U.S. Department of Commerce, Bureau of the Census, issued December 1978.

population projections for Iowa, 1980-2000

Age Group	1970	1980	1985	1990	1995	2000
TOTAL	2,825,368	2,915,157	2,992,674	3,073,741	3,138,416	3,186,073
0-4	233,334	218,315	248,441	255,253	243,162	230,212
5-9	280,339	216,583	216,672	246,590	253,363	241,379
10-14	293,714	228,119	214,303	214,405	244,013	250,721
15-19	273,753	267,884	222,400	208,913	209,035	237,904
20-24	203,800	274,992	258,298	214,432	201,431	201,544
25-29	167,626	258,295	268,741	252,428	209,551	196,834
30-34	147,356	199,631	255,054	265,360	249,254	206,917
35-39	142,015	164,666	196,882	251,516	261,680	245,771
40-44	155,091	143,734	162,209	193,969	247,771	257,806
45-49	158,304	136,727	140,814	158,964	190,175	242,913
50-54	152,894	145,952	132,866	136,910	154,620	185,069
55-59	140,666	145,557	139,810	127,352	131,298	148,355
60-64	127,212	135,374	136,297	131,007	119,474	123,277
65-69	107,815	117,318	122,542	123,503	118,832	108,580
70-74	92,932	97,414	101,474	106,287	107,262	103,357
75 plus	148,517	164,596	175,871	186,852	197,495	205,434
MALE						
TOTAL	1,373,358	1,408,922	1,445,704	1,485,221	1,517,167	1,540,800
0-4	119,511	111,649	127,099	130,594	124,413	117,790
5-9	143,063	110,626	110,730	126,058	129,527	123,416
10-14	149,976	116,509	109,233	109,337	124,478	127,907
15-19	137,658	135,301	112,647	105,598	105,714	120,353
20-24	95,605	137,856	129,195	107,562	100,821	100,930
25-29	83,014	128,645	134,681	126,210	105,071	98,475
30-34	72,661	94,203	127,194	133,150	124,777	103,868
35-39	68,996	81,268	92,732	125,193	131,059	122,804
40-44	76,560	70,589	79,861	91,130	123,040	128,808
45-49	77,256	65,972	68,869	77,938	88,957	120,123
50-54	74,164	145,952	132,866	136,910	154,620	185,069
55-59	68,260	69,369	67,181	60,250	62,976	71,360
60-64	60,394	63,034	63,560	61,624	55,320	57,903
65-69	48,657	52,968	54,786	55,299	53,706	48,290
70-74	39,873	41,319	42,988	44,578	45,066	43,862
75 plus	57,710	58,595	61,307	64,234	66,986	68,983
FEMALE						
TOTAL	1,452,010	1,506,235	1,546,970	1,588,520	1,621,249	1,645,273
0-4	113,823	106,666	121,342	124,659	118,749	112,422
5-9	137,276	105,957	105,942	120,532	123,836	117,963
10-14	143,738	111,610	105,070	105,068	119,535	122,814
15-19	136,095	132,583	109,753	103,315	103,321	117,551
20-24	108,195	137,136	129,103	106,870	100,610	100,614
25-29	84,612	129,650	105,428	126,218	104,480	98,359
30-34	74,695	139,060	127,860	132,210	124,477	103,049
35-39	73,019	83,398	104,150	126,323	130,621	122,967
40-44	78,531	73,145	82,348	102,839	124,731	128,998
45-49	81,048	70,755	71,945	81,026	101,218	122,790
50-54	78,730	74,933	69,225	70,444	79,364	99,141
55-59	72,406	76,188	72,629	67,102	68,322	76,995
60-64	66,818	72,340	72,737	69,383	64,154	65,374
65-69	59,158	64,350	67,756	68,204	65,126	60,290
70-74	53,059	56,095	58,486	61,709	62,196	59,495
75 plus	90,807	106,001	114,564	122,618	130,509	136,451

Source: Office of Planning and Programming for Iowa.

population projections for Iowa counties, 1980-2000

County	1980	1985	1990	1995	2000
Adair	9,634	9,929	10,245	10,459	10,616
Adams	6,141	6,168	6,193	6,150	6,068
Allamakee	16,222	17,211	18,233	19,113	19,882
Appanoose	15,299	15,629	15,967	16,236	16,460
Audubon	9,143	9,171	9,214	9,147	9,021
Benton	23,953	24,810	25,688	26,336	26,731
Black Hawk	139,415	143,098	146,357	148,627	150,065
Boone	26,002	26,001	25,968	25,812	25,559
Bremer	24,463	25,309	26,096	26,716	27,123
Buchanan	22,961	24,024	25,248	26,351	27,255
Buena Vista	20,110	20,105	20,098	19,955	19,717
Butler	17,118	17,412	17,720	17,948	18,116
Calhoun	13,606	13,547	13,512	13,376	13,184
Carroll	23,900	24,991	26,219	27,235	28,049
Cass	17,265	17,599	17,916	18,111	18,227
Cedar	17,687	17,918	18,140	18,234	18,213
Cerro Gordo	48,154	48,194	48,178	47,851	47,339
Cherokee	16,306	16,223	16,242	16,205	16,134
Chickasaw	15,424	16,074	16,902	17,641	18,193
Clarke	8,164	8,616	9,067	9,438	9,758
Clay	19,549	20,353	21,066	21,510	21,735
Clayton	20,423	20,761	21,192	21,532	21,801
Clinton	58,638	60,426	62,361	63,939	65,097
Crawford	18,399	18,424	18,612	18,780	18,864
Dallas	28,816	30,590	32,480	34,203	35,603
Davis	8,717	9,106	9,432	9,678	9,903
Decatur	9,675	9,689	9,691	9,668	9,634
Delaware	19,201	19,958	20,948	21,843	22,555
Des Moines	45,553	45,402	45,417	45,306	44,970
Dickinson	14,937	16,392	17,799	18,980	19,958
Dubuque	95,290	98,955	103,386	107,677	111,332
Emmet	13,803	13,907	14,018	14,068	14,093
Fayette	24,992	24,541	24,240	23,927	23,584
Floyd	20,116	20,543	21,011	21,360	21,599
Franklin	13,259	13,490	13,712	13,791	13,786
Fremont	9,091	9,137	9,187	9,199	9,188
Greene	11,960	11,848	11,798	11,712	11,604
Grundy	13,874	13,913	13,957	13,899	13,737
Guthrie	12,338	12,625	12,931	13,120	13,238
Hamilton	17,571	17,468	17,399	17,236	17,006
Hancock	13,667	14,003	14,321	14,526	14,661
Hardin	21,460	21,394	21,352	21,245	21,074
Harrison	16,466	16,936	17,444	17,832	18,150
Henry	17,703	17,691	17,771	17,871	17,939
Howard	11,109	11,258	11,472	11,610	11,693
Humboldt	12,373	12,568	12,777	12,856	12,845
Ida	8,788	8,773	8,787	8,757	8,674
Iowa	15,458	15,739	16,042	16,257	16,390
Jackson	23,343	25,101	26,964	28,659	30,175
Jasper	36,310	37,127	37,911	38,388	38,598
Jefferson	14,581	14,138	13,751	13,404	13,079

population projections for Iowa counties, 1980-2000 (continued)

County	1980	1985	1990	1995	2000
Johnson	81,468	85,730	89,777	93,393	96,867
Jones	19,856	20,146	20,511	20,794	20,997
Keokuk	13,081	12,937	12,854	12,739	12,606
Kossuth	22,830	23,390	24,070	24,543	24,836
Lee	42,880	43,347	43,862	44,147	44,229
Linn	168,041	170,854	174,217	177,205	178,969
Louisa	11,299	11,680	12,068	12,384	12,558
Lucas	10,141	10,324	10,524	10,672	10,802
Lyon	13,144	13,398	13,750	14,045	14,299
Madison	12,615	13,378	14,090	14,637	15,051
Mahaska	22,540	22,767	22,920	22,973	22,965
Marion	28,941	30,233	31,317	32,126	32,621
Marshall	43,236	44,660	46,117	47,323	48,192
Mills	12,792	13,275	13,682	13,953	14,108
Mitchell	12,655	12,806	13,041	13,163	13,187
Monona	11,931	12,088	12,244	12,323	12,404
Monroe	9,358	9,522	9,681	9,768	9,827
Montgomery	12,955	13,235	13,506	13,681	13,817
Muscatine	39,482	41,063	42,770	44,282	45,499
O'Brien	17,256	17,466	17,716	17,817	17,794
Osceola	8,168	8,219	8,294	8,318	8,333
Page	18,779	19,115	19,361	19,477	19,569
Palo Alto	13,335	13,673	14,040	14,300	14,493
Plymouth	24,269	24,657	25,133	25,468	25,658
Pocahontas	11,553	11,307	11,145	10,945	10,737
Polk	305,006	315,636	325,652	333,666	339,767
Pottawattamie	86,680	87,906	89,419	90,450	91,009
Poweshiek	19,490	19,939	20,331	20,561	20,648
Ringgold	6,240	6,277	6,292	6,269	6,227
Sac	14,582	14,443	14,356	14,196	14,004
Scott	159,037	168,903	179,412	189,025	196,953
Shelby	15,043	15,182	15,430	15,572	15,606
Sioux	29,628	30,793	31,965	32,906	33,581
Story	72,765	76,941	80,580	84,002	87,485
Tama	20,012	20,326	20,678	20,937	21,124
Taylor	8,060	7,851	7,679	7,498	7,319
Union	13,296	13,342	13,427	13,476	13,469
Van Buren	8,548	8,654	8,796	8,880	8,893
Wapello	40,610	40,271	39,922	39,428	38,869
Warren	36,691	42,087	47,810	53,287	58,124
Washington	18,807	19,341	19,349	19,543	19,634
Wayne	8,168	8,161	8,114	8,009	7,910
Webster	46,778	46,694	46,734	46,552	46,138
Winnebago	13,668	14,007	14,270	14,424	14,480
Winneshiek	21,535	21,637	21,813	21,935	21,953
Woodbury	103,877	105,279	106,724	107,795	108,661
Worth	8,885	8,993	9,104	9,146	9,151
Wright	16,719	16,756	16,762	16,609	16,375
State	2,915,157	2,992,674	3,073,741	3,138,416	3,186,073

Source: Office of Planning and Programming for Iowa.

general characteristics of Iowa's population

The State Size of Place Urbanized Areas

	Population										Households			Population in Group Quarters	
	All Persons							Persons 14 Years and Over—Percent Married		Persons 18 Years and Over—Percent Male					
	Number	Percent Change 1960-70	Percent Negro and Other Races	Percent Under 18 Years	Percent 18 to 64 Years	Percent 65 Years and Over	Fertility Ratio[1]	Male	Female		Number	Percent Change 1960-70	Persons Per Household	Number	Percent of Total
The State 1970	2,824,376[1]	2.4	1.5	34.5	53.1	12.4	367	67.2	61.9	47.3	896,311	6.5	3.05	90,677	3.2
Urban	1,616,405	10.5	2.4	33.1	54.8	12.1	352	66.2	58.2	46.1	522,517	13.7	2.95	74,173	4.6
Urbanized areas	842,154	11.1	3.5	35.2	54.8	10.0	369	67.7	59.3	45.9	265,923	13.8	3.07	26,083	3.1
Central cities	631,666	4.0	4.4	34.2	54.8	11.0	368	66.8	57.9	45.5	204,536	7.4	2.99	19,445	3.1
Urban fringe	210,488	39.9	0.9	38.0	54.8	7.2	373	70.2	63.9	46.8	61,387	41.7	3.32	6,638	3.2
Other urban	774,251	9.9	1.1	30.9	54.8	14.3	333	64.7	57.1	46.3	256,594	13.6	2.83	48,090	6.2
Places of 10,000 or more	371,644	11.5	1.8	30.7	57.3	12.0	326	63.1	56.9	46.9	121,956	15.9	2.85	23,532	6.3
Places of 2,500 to 10,000	402,607	8.5	0.5	31.2	52.4	16.4	340	66.2	57.3	45.6	134,638	11.6	2.81	24,558	6.1
Rural	1,207,971	6.7	0.3	36.4	50.8	12.8	389	68.6	67.1	49.1	373,794	2.1	3.19	16,504	1.4
Places of 1,000 to 2,500	203,322	3.4	0.3	31.8	48.8	19.4	383	70.0	60.3	45.5	71,094	5.5	2.78	5,598	2.8
Other rural	1,004,649	8.5	0.3	37.3	51.2	11.5	390	68.3	68.7	49.8	302,700	3.7	3.28	10,906	1.1

race by sex

			Negro and Other Races							
					Other Races					
Total	Total	White	Total	Negro	Total	Indian	Japanese	Chinese	Filipino	All Other
1970	2,824,376[1]	2,782,762	41,614	32,596	9,018	2,992	1,009	993	614	3,410
Urban	1,616,405	1,577,887	38,518	31,740	6,778	1,962	737	927	497	2,655
Urbanized areas	842,154	812,328	29,826	26,033	3,793	1,427	361	313	266	1,426
Central cities	631,666	603,686	27,980	24,920	3,060	1,211	281	254	211	1,103
Urban fringe	210,488	208,642	1,846	1,113	733	216	80	59	55	323
Other urban	774,251	765,559	8,692	5,707	2,985	535	376	614	231	1,229
Places of 10,000 or more	371,644	365,078	6,566	4,501	2,065	278	221	524	166	876
Places of 2,500 to 10,000	402,607	400,481	2,126	1,206	920	257	155	90	65	353
Rural	1,207,971	1,204,875	3,096	856	2,240	1,030	272	66	117	755
Places of 1,000 to 2,500	203,322	202,738	584	178	406	95	48	34	32	197
Other rural	1,004,649	1,002,137	2,512	678	1,834	935	224	32	85	558
1960	2,757,537	2,728,709	28,828	25,354	3,474	1,708	599	423	167	577
1950	2,621,073	2,599,546	21,527	19,692	1,835	1,084	310	310		131
1940	2,538,268	2,520,691	17,577	16,694	883	733	29	81		40
1930	2,470,939	2,452,677	18,262	17,380	882	660	19	153	40	10
1920	2,404,021	2,384,181	19,840	19,005	835	529	29	235		42
1910	2,224,771	2,209,191	15,580	14,973	607	471	36	97		3
1900	2,231,853	2,218,667	13,186	12,693	493	382	7	104		
Male										
1970	1,372,867	1,352,567	20,300	15,958	4,342	1,428	404	560	291	1,659
Urban	770,698	751,876	18,822	15,516	3,306	937	292	521	235	1,321
Urbanized areas	401,272	387,069	14,203	12,445	1,758	660	138	173	127	660
Central cities	299,209	285,826	13,383	11,941	1,442	551	114	145	105	527
Urban fringe	102,063	101,243	820	504	316	109	24	28	22	133
Other urban	369,426	364,807	4,619	3,071	1,548	277	154	348	108	661
Places of 10,000 or more	178,884	175,458	3,426	2,337	1,089	138	92	300	79	480
Places of 2,500 to 10,000	190,542	189,349	1,193	734	459	139	62	48	29	181
Rural	602,169	600,691	1,478	442	1,036	491	112	39	56	338
Places of 1,000 to 2,500	95,798	95,527	271	92	179	39	11	21	15	93
Other rural	506,371	505,164	1,207	350	857	452	101	18	41	245
Female										
1970	1,451,509	1,430,195	21,314	16,638	4,676	1,564	605	433	323	1,751
Urban	845,707	826,011	19,696	16,224	3,472	1,025	445	406	262	1,334
Urbanized areas	440,882	425,259	15,623	13,588	2,035	767	223	140	139	766
Central cities	332,457	317,860	14,597	12,979	1,618	660	167	109	106	576
Urban fringe	108,425	107,399	1,026	609	417	107	56	31	33	190
Other urban	404,825	400,752	4,073	2,636	1,437	258	222	266	123	568
Places of 10,000 or more	192,760	189,620	3,140	2,164	976	140	129	224	87	396
Places of 2,500 to 10,000	212,065	211,132	933	472	461	118	93	42	36	172
Rural	605,802	604,184	1,618	414	1,204	539	160	27	61	417
Places of 1,000 to 2,500	107,524	107,211	313	86	227	56	37	13	17	104
Other rural	498,278	496,973	1,305	328	977	483	123	14	44	313

[1] Revised to 2,825,041

Source: "Characteristics of the Population—Iowa," U.S. Department of Commerce, Bureau of The Census, Issued Feb. 1973

age by race and sex: 1970

Iowa

	All Persons				Male				Female			
			Negro and Other Races				Negro and Other Races				Negro and Other Races	
	Total	White	Total	Negro	Total	White	Total	Negro	Total	White	Total	Negro
All ages	2,824,376[1]	2,782,762	41,614	32,596	1,372,867	1,352,567	20,300	15,958	1,451,509	1,430,196	21,314	16,638
Under 1 year	47,092	46,061	1,031	790	24,270	23,743	527	423	22,822	22,318	504	367
1 year	46,049	45,023	1,026	769	23,454	22,940	514	392	22,595	22,083	512	377
2 years	44,786	43,872	914	688	22,893	22,408	485	365	21,893	21,464	429	323
3 years	46,778	45,818	960	727	23,938	23,466	472	370	22,840	22,352	488	357
4 years	48,507	47,482	1,025	788	24,891	24,366	525	411	23,616	23,116	500	377
5 years	51,939	50,916	1,023	808	26,768	26,264	504	393	25,171	24,652	519	415
6 years	54,911	53,874	1,037	825	28,244	27,706	538	432	26,667	26,168	499	393
7 years	56,436	55,369	1,067	862	28,636	28,141	495	408	27,800	27,228	572	454
8 years	57,954	56,842	1,112	897	29,272	28,710	562	462	28,682	28,132	550	435
9 years	58,861	57,844	1,017	825	30,019	29,487	532	441	28,842	28,357	485	384
10 years	61,075	59,951	1,124	943	31,308	30,770	538	446	29,767	29,181	586	497
11 years	57,893	56,939	954	788	29,545	29,081	464	385	28,348	27,858	490	403
12 years	58,793	57,849	944	780	30,041	29,553	488	405	28,752	28,296	456	375
13 years	57,430	56,552	878	730	29,353	28,917	436	372	28,077	27,635	442	358
14 years	58,249	57,366	883	749	29,591	29,158	433	366	28,658	28,208	450	383
15 years	56,938	56,068	870	737	29,319	28,883	436	373	27,619	27,185	434	364
16 years	55,913	55,077	836	685	28,433	28,011	422	344	27,480	27,066	414	341
17 years	55,333	54,502	831	672	28,065	27,651	404	325	27,278	26,851	427	347
18 years	55,653	54,725	928	759	27,836	27,387	449	368	27,817	27,338	479	391
19 years	49,638	48,561	1,077	847	23,870	23,336	534	414	25,768	25,225	543	433
20 years	45,197	44,227	970	748	20,935	20,451	484	375	24,262	23,776	486	373
21 years	41,990	41,118	872	666	18,998	18,556	442	341	22,992	22,562	430	325
22 years	42,612	41,841	771	551	20,091	19,720	371	262	22,521	22,121	400	289
23 years	41,473	40,765	708	500	19,892	19,547	345	243	21,581	21,218	363	257
24 years	32,419	31,790	629	437	15,637	15,335	302	203	16,782	16,455	327	234
25 years	33,671	33,077	594	390	16,551	16,265	286	189	17,120	16,812	308	201
26 years	34,799	34,223	576	408	17,129	16,854	275	197	17,670	17,369	301	211
27 years	34,485	34,903	582	382	17,580	17,299	281	188	17,906	17,604	301	194
28 years	32,352	31,798	554	351	16,250	15,971	279	172	16,102	15,827	275	179
29 years	31,198	30,640	558	377	15,444	15,168	276	178	15,754	15,472	282	199
30 years	31,125	30,552	573	383	15,448	15,182	266	182	15,677	15,370	307	201
31 years	29,704	29,206	498	341	14,705	14,458	247	169	14,999	14,748	251	172
32 years	28,956	28,436	520	364	14,211	13,965	246	160	14,745	14,471	274	204
33 years	28,709	28,236	473	334	14,184	13,955	229	164	14,525	14,281	244	170
34 years	28,769	28,292	477	345	14,066	13,847	219	154	14,703	14,445	258	191
35 years	28,566	28,125	441	314	13,866	13,669	197	139	14,700	14,456	244	175
36 years	27,402	26,958	444	327	13,300	13,104	196	142	14,102	13,854	248	185
37 years	28,434	27,981	453	348	13,807	13,583	224	190	14,627	14,398	229	158
38 years	28,279	27,886	393	297	13,711	13,536	175	132	14,568	14,350	218	165
39 years	29,260	28,832	428	340	14,273	14,082	191	153	14,987	14,750	237	187
40 years	30,949	30,516	433	328	14,911	14,711	200	157	16,038	15,805	233	171
41 years	30,011	29,618	393	311	14,856	14,662	194	152	15,155	14,956	199	159
42 years	31,527	31,132	396	310	15,625	15,431	194	155	15,902	15,701	201	155
43 years	31,062	30,688	374	296	15,575	15,399	176	136	15,487	15,289	198	160
44 years	31,406	31,009	397	318	15,524	15,328	196	158	15,882	15,681	201	160
45 years	31,970	31,593	377	304	15,562	15,387	175	143	16,408	16,206	202	161
46 years	31,300	30,945	355	292	15,486	15,311	175	148	15,814	15,634	180	144
47 years	31,281	30,927	354	297	15,231	15,064	167	138	16,050	15,863	187	159
48 years	32,430	32,036	394	322	15,794	15,597	197	157	16,636	16,439	197	165
49 years	31,145	30,828	317	271	15,097	14,947	150	128	16,048	15,881	167	143
50 years	32,197	31,835	362	297	15,564	15,397	167	140	16,633	16,438	196	157
51 years	31,098	30,770	328	266	15,034	14,873	161	125	16,064	15,897	167	141
52 years	30,083	29,828	255	218	14,629	14,500	129	111	15,454	15,328	126	107
53 years	29,504	29,230	274	242	14,355	14,233	122	110	15,149	14,997	152	132
54 years	29,844	29,568	276	238	14,509	14,378	131	115	15,335	15,190	145	123
55 years	28,986	28,723	263	229	14,081	13,958	123	106	14,905	14,765	140	123
56 years	28,423	28,154	269	210	13,790	13,662	128	107	14,633	14,492	141	103
57 years	28,480	28,196	285	249	13,902	13,775	127	111	14,578	14,420	158	138
58 years	27,677	27,417	260	223	13,394	13,272	122	111	14,283	14,145	138	112
59 years	26,983	26,716	267	222	13,030	12,896	135	109	13,953	13,821	132	113
60 years	28,330	28,086	244	206	13,746	13,626	120	101	14,584	14,460	124	104
61 years	25,615	25,371	244	204	12,186	12,065	121	100	13,429	13,306	123	104
62 years	25,221	24,998	222	189	12,006	11,893	112	94	13,216	13,105	111	95
63 years	24,208	24,000	208	182	11,304	11,217	87	75	12,904	12,783	121	107
64 years	23,725	23,519	206	176	11,098	11,003	95	80	12,627	12,516	111	96
65 years	22,884	22,677	207	173	10,575	10,468	107	91	12,309	12,209	100	82
66 years	22,409	22,244	165	131	10,228	10,149	79	61	12,181	12,066	86	70
67 years	21,609	21,421	188	159	9,702	9,611	91	77	11,907	11,810	97	82
68 years	20,158	19,998	160	138	8,984	8,906	78	67	11,174	11,092	82	71
69 years	20,641	20,437	204	169	9,114	9,016	98	78	11,527	11,421	106	91
70 years	21,060	20,881	179	156	9,205	9,131	74	63	11,855	11,750	106	93
71 years	19,062	18,918	144	126	8,236	8,180	56	50	10,826	10,738	88	76
72 years	17,708	17,561	147	121	7,575	7,499	76	61	10,133	10,062	71	60
73 years	17,798	17,653	145	130	7,593	7,525	68	59	10,205	10,128	77	71
74 years	17,232	17,064	168	140	7,235	7,144	91	79	9,997	9,920	77	61
75 years	16,258	16,137	121	102	6,852	6,803	49	40	9,406	9,334	72	62
76 years	15,370	15,272	98	84	6,349	6,313	36	30	9,021	8,959	62	54
77 years	14,866	14,750	116	103	6,023	5,963	60	53	8,843	8,787	56	50
78 years	13,510	13,410	100	81	5,499	5,458	41	34	8,011	7,952	59	47
79 years	12,099	12,015	84	70	4,867	4,826	41	34	7,232	7,189	43	36
80 years	12,108	12,010	98	70	4,781	4,727	54	37	7,327	7,283	44	33
81 years	10,330	10,261	69	51	4,048	4,012	36	25	6,282	6,249	33	26
82 years	8,809	8,748	61	54	3,398	3,371	27	22	5,411	5,377	34	32
83 years	7,724	7,683	41	32	2,971	2,952	19	15	4,753	4,731	22	17
84 years	7,016	6,971	45	38	2,620	2,607	13	11	4,396	4,364	32	27
85 to 89 years	22,137	21,993	144	113	7,658	7,598	54	44	14,485	14,395	90	69
90 to 94 years	6,774	6,697	77	45	2,202	2,162	40	18	4,572	4,535	37	27
95 to 99 years	1,401	1,387	14	13	408	402	6	6	993	985	8	7
100 years and over	1,330	1,295	35	26	648	635	13	8	682	660	22	18
Median age	28.8	29.0	21.6	21.1	27.8	27.6	21.0	20.3	30.2	30.4	22.2	21.8

[1] Revised to 2,825,041.

Source: "Characteristics of the Population—Iowa," U.S. Department of Commerce, Bureau of The Census, Issued Feb. 1973.

social and economic characteristics, 1970

IOWA	Total	White	Negro and other races
Nativity and Parentage			
Total population	**2,824,376**	**2,784,904**	**39,472**
Native	2,784,159	2,747,042	37,117
Native parentage	2,526,817	2,491,045	35,772
Foreign or mixed parentage	257,342	255,997	1,345
Foreign Born	40,217	37,862	2,355
Country of Origin of Foreign Stock			
Total	**297,559**	**293,859**	3,700
United Kingdom	22,008	22,008	—
Ireland	9,441	9,415	26
Norway	20,418	20,397	21
Sweden	21,108	21,083	25
Denmark	20,024	19,995	29
Netherlands	19,213	19,197	16
Switzerland	3,475	3,476	—
France	2,911	2,911	—
Germany[1]	101,974	101,921	53
Poland	3,323	3,519	4
Czechoslovakia	10,995	10,995	—
Austria	3,347	3,347	—
Hungary	1,007	1,007	—
Yugoslavia	2,202	2,190	12
U.S.S.R.	4,563	4,544	19
Lithuania	1,226	1,226	—
Greece	2,085	2,085	—
Italy	7,683	7,677	6
Other Europe	6,160	6,160	—
Asia	5,978	3,116	2,862
Western Asia[2]	1,670	1,632	38
China[3]	1,073	171	902
Japan	787	365	422
Other Asia	2,448	948	1,500
Canada	13,297	13,251	46
Mexico	4,546	4,456	90
Cuba	382	368	14
Other America	1,538	1,360	178
All other	1,599	1,394	205
Not reported	7,055	6,961	94
State of Birth			
Total native population	**2,783,653**	**2,746,307**	**37,346**
Born in State of residence	2,181,046	2,171,460	19,586
Born in different State	500,532	485,866	14,666
Born abroad, at sea, etc.	6,639	6,305	334
State of birth not reported	83,436	80,676	2,760
Residence 5 Years Ago			
Population, 5 years old and over	**2,591,320**	**2,556,466**	**34,854**
Same house	1,479,159	1,464,341	14,818
Different house in United States	1,015,866	999,837	16,029
Same county	580,843	571,225	9,618
Different county	435,023	428,612	6,411
Same State	257,230	255,601	1,629
Different State	177,793	173,011	4,782
Abroad	12,103	10,872	1,231
Moved, residence not reported	84,192	81,416	2,776
Years of School Completed			
Total persons, 25 years old and over	**1,540,588**	**1,523,292**	**17,296**
No school years completed	8,513	8,161	352
Elementary: 1 to 4 years	20,106	19,251	855
5 and 6 years	41,482	40,198	1,284
7 years	46,700	45,959	741
8 years	284,531	282,527	2,004
High school: 1 to 3 years	231,034	226,641	4,393
4 years	596,649	592,057	4,592
College: 1 to 3 years	171,454	169,984	1,470
4 years	84,035	83,415	620
5 years or more	56,084	55,099	985
Median school years completed	12.2	12.2	11.3

	Total	White	Negro and other races
Employment Status			
Male, 14 years old and over	**990,051**	**977,687**	**12,364**
Labor force	730,068	721,869	8,199
Armed Forces	1,352	1,332	20
Civilian labor force	728,716	720,537	8,179
Employed	707,448	699,891	7,557
Unemployed	21,268	20,646	622
Not in labor force	259,983	255,818	4,165
Female, 14 years old and over	**1,085,739**	**1,071,965**	**13,774**
Labor force	419,088	412,799	6,289
Employed	399,367	393,635	5,732
Unemployed	19,685	19,128	557
Not in labor force	666,651	659,166	7,485
Labor Force Participation by Age			
Male: 14 and 15 years	12,962	12,826	136
16 and 17 years	25,828	25,551	277
18 and 19 years	31,871	31,333	538
20 to 24 years	76,013	74,891	1,122
25 to 34 years	149,650	147,713	1,937
35 to 44 years	139,475	137,831	1,644
45 to 64 years	252,428	250,203	2,225
65 years and over	41,841	41,521	320
Female: 14 and 15 years	7,377	7,237	140
16 and 17 years	17,288	17,070	218
18 and 19 years	27,899	27,479	420
20 to 24 years	58,143	57,127	1,016
25 to 34 years	66,982	65,579	1,403
35 to 44 years	73,962	72,748	1,214
45 to 64 years	144,253	142,562	1,691
65 years and over	23,184	22,997	187
Major Occupation Group			
Male employed, 14 years old and over	707,448	**699,891**	7,557
Professional, technical, and kindred workers	72,004	71,066	938
Managers and administrators, except farm	77,570	77,315	255
Sales workers	43,630	43,501	129
Clerical and kindred workers	36,727	36,284	443
Craftsmen, foremen, and kindred workers	116,044	115,095	949
Operatives, except transport	79,598	78,120	1,478
Transport equipment operatives	40,550	40,161	389
Laborers, except farm	40,171	39,304	867
Farmers and farm managers	103,120	103,085	35
Farm laborers and foremen	25,161	25,099	62
Service workers, except private household	43,546	42,439	1,107
Private household workers	527	523	4
Occupation not reported	28,800	27,899	901
Female employed, 14 years old and over	**399,367**	**393,635**	**5,732**
Professional, technical, and kindred workers	61,779	60,965	814
Managers and administrators, except farm	14,947	14,840	107
Sales workers	28,142	27,961	181
Clerical and kindred workers	118,613	117,384	1,229
Craftsmen, foremen, and kindred workers	6,751	6,672	79
Operatives, except transport	34,307	33,758	549
Transport equipment operatives	1,717	1,693	24
Laborers, except farm	3,615	3,536	79
Farmers and farm managers	2,798	2,798	—
Farm laborers and foremen	4,081	4,077	4
Service workers, except private household	83,590	81,959	1,631
Private household workers	17,825	17,453	372
Occupation not reported	21,202	20,539	663

(Data based on sample) [1]Includes West Germany and East Germany. [2]Includes Turkey in Europe. [3]Includes Taiwan & mainland China
Source: "Characteristics of the Population—Iowa", U.S. Department of Commerce, Bureau of The Census. Issued Feb. 1973.

social and economic characteristics, 1970 (continued)

IOWA	Total	White	Negro	Persons of Spanish language
Income of Families				
Families				
Total	717,776	**709,693**	**6,907**	**3,848**
Less than $1,000	12,571	12,277	238	76
$1,000 to $1,999	23,779	23,392	350	103
$2,000 to $2,999	36,365	35,728	580	136
$3,000 to $3,999	38,751	38,083	613	158
$4,000 to $4,999	38,701	37,968	613	225
$5,000 to $5,999	46,387	45,763	564	209
$6,000 to $6,999	49,564	48,912	541	324
$7,000 to $7,999	55,164	54,629	498	324
$8,000 to $8,999	56,641	56,007	540	264
$9,000 to $9,999	52,319	51,777	447	351
$10,000 to $11,999	98,927	98,135	688	520
$12,000 to $14,999	91,969	91,056	727	501
$15,000 to $24,999	91,734	91,144	445	353
$25,000 to $49,999	21,061	20,987	44	104
$50,000 or more	3,843	3,815	19	...
Median income	$9,018	$9,040	$6,916	$9,014
Mean income	$10,138	$10,161	$7,815	$9,585
Mean income per family member	$2,893	$2,906	$1,935	$2,170
Index of income concentration	0.347	0.350	0.354	0.329
Families with female head	53,349	51,226	1,972	310
Mean income	$6,090	$6,165	$4,281	$5,842
All families and unrelated individuals	985,601	972,701	10,591	4,815
Median income	$7,157	$7,189	$4,691	$7,292
Mean income	$8,241	$8,270	$5,926	$7,776
Type of Income of Families				
All families	717,776	**709,693**	**6,907**	**3,848**
With wage or salary income	576,394	569,318	6,024	3,357
Mean wage or salary income	$8,931	$8,946	$7,458	$8,916
With nonfarm self-employment income	92,751	92,340	316	378
Mean nonfarm self-employment income	$7,206	$7,198	$7,555	$7,155
With farm self-employment income	140,912	140,838	49	131
Mean farm self-employment income	$5,459	$5,460	...	$3,309
With Social Security income	149,802	148,546	1,139	388
Mean Social Security income	$1,688	$1,689	$1,550	$1,656
With public assistance or public welfare income	23,426	21,929	1,408	241
Mean public assistance or public welfare income	$1,385	$1,343	$2,039	$1,717
With other income	249,366	247,860	1,161	802
Mean other income	$1,630	$1,630	$1,644	$1,050
All unrelated individuals	**267,825**	**263,008**	**3,684**	1,167
With wage or salary income	155,040	151,884	2,366	714
Mean wage or salary income	$3,289	$3,292	$2,997	$2,758
With nonfarm self-employment income	9,881	9,871	96	31
Mean nonfarm self-employment income	$3,691	$3,690	...	...
With farm self-employment income	10,325	10,314	...	7
Mean farm self-employment income	$3,376	$3,378	...	...
With Social Security income	105,705	104,843	757	181
Mean Social Security income	$1,044	$1,045	$964	$1,075
With public assistance or public welfare income	9,880	9,557	282	8
Mean public assistance or public welfare income	$795	$798	$687	...
With other income	99,721	98,974	536	159
Mean other income	$1,459	$1,461	$886	$708
Per capita income of other persons	$2,894	$2,907	$1,942	$2,182

Poverty Status[1] in 1969	Total	White	Negro	Persons of Spanish language
Families	717,776	**709,693**	**6,907**	**3,848**
Percent receiving public assistance income	3.3	3.1	20.4	6.6
Mean size of family	3.50	3.50	4.04	4.42
With related children under 18 years	400,704	394,918	4,986	2,805
Mean number of related children under 18 years	2.45	2.45	2.78	2.67
Families with female head	53,349	51,226	1,972	310
With related children under 18 years	30,364	28,557	1,678	224
With related children under 6 years	11,914	10,894	959	106
Percent of heads in labor force	53.2	54.6	41.0	29.2
Family heads	717,776	**709,693**	**6,907**	**3,848**
Percent 65 years and over	16.7	16.8	10.5	6.8
Civilian male family heads under 65 years	557,123	551,793	4,377	3,118
Percent in labor force	95.4	95.4	93.9	94.2
Unrelated individuals	**228,949**	**225,139**	**2,985**	**955**
Percent receiving public assistance income	4.3	4.2	9.4	0.8
Percent 65 years and over	46.6	47.0	25.1	20.4
Persons	**2,743,944**	**2,706,559**	**30,886**	17,071
Percent receiving Social Security income	11.8	11.9	7.3	3.8
Percent 65 years and over	11.9	12.0	6.8	3.8
Percent receiving Social Security income	80.4	80.5	66.6	67.0
Households	**679,435**	**669,823**	**8,370**	**3,692**
In owner occupied housing units	481,438	476,210	4,612	2,159
Mean value of unit	$15,584	$15,621	$11,504	$14,757
In renter occupied housing units	197,997	193,413	3,758	1,533
Mean gross rent	$97	$97	$93	$108
Percent lacking some or all plumbing facilities	4.7	4.7	7.2	5.6
Income Less Than Poverty Level				
Families	**63,956**	**62,249**	1,517	**391**
Percent of all families	8.9	8.8	22.0	10.7
Mean family income	$1,865	$1,851	$2,421	$2,296
Mean income deficit	$1,242	$1,235	$1,476	$1,629
Percent receiving public assistance income	13.2	12.4	45.6	20.7
Mean size of family	3.49	3.47	4.40	4.74
With related children under 18 years	34,102	32,666	1,285	323
Mean number of related children under 18 years	2.90	2.89	3.31	3.45
Families with female head	14,680	13,604	996	94
With related children under 18 years	11,508	10,455	973	88
With related children under 6 years	6,356	5,707	601	61
Percent of heads in lauor force	34.6	35.2	31.8	...
Family heads	**63,956**	**62,249**	1,517	**391**
Percent 65 years and over	32.5	33.0	15.6	7.9
Civilian male heads under 65 years	30,913	30,496	324	272
Percent in labor force	81.4	81.4	80.9	79.8
Unrelated individuals	**95,300**	**93,208**	1,508	**559**
Percent of all unrelated individuals	41.6	41.4	50.5	58.5
Mean income	$943	$947	$803	$602
Mean income deficit	$849	$844	$1,046	$1,259
Percent receiving public assistance income	7.5	7.4	15.8	—
Percent 65 years and over	58.0	58.6	35.5	22.5
Persons	**318,605**	**308,247**	**8,189**	**2,414**
Percent of all persons	11.6	11.4	26.5	14.1
Percent receiving Social Security income	28.2	28.7	12.1	8.1
Percent 65 years and over	29.0	29.5	11.4	7.7
Percent receiving Social Security income	83.4	83.5	71.2	69.7
Related children under 18 years	97,396	92,819	4,066	1,121
Percent living with both parents	64.7	66.7	21.2	74.0
Households	**104,320**	101,671	**2,300**	**559**
Percent of all households	15.4	15.2	27.5	15.1
In owner occupied housing units	60,741	59,737	912	184
Mean value of unit	$10,282	$10,301	$9,176	$10,340
In renter occupied housing units	43,579	41,934	1,388	375
Mean gross rent	$78	$77	$67	$86
Percent lacking some or all plumbing facilities	14.0	14.1	10.4	24.9

(Data based on sample)

[1] Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years.

Source: "Characteristics of the Population—Iowa," U.S. Department of Commerce, Bureau of The Census, Issued Feb. 1973.

general characteristics of Iowa counties: 1970

	Households			Population All Persons					Persons 14 Years and Over—Percent Married		Persons 18 Years and Over—Percent Male
Counties	Number	Percent Change 1960-70	Persons Per Household	Percent Negro and Other Races	Percent Under 18 Years	Percent 18 to 64 Years	Percent 65 Years and Over	Fertility[1] Ratio	Male	Female	
Adair	3,301	-8.7	2.85	0.2	31.6	51.5	16.9	346	71.3	68.4	48.3
Adams	2,184	-9.8	2.84	0.1	30.9	52.1	17.0	292	70.6	66.2	47.5
Allamakee	4,542	-0.1	3.22	0.3	36.6	47.4	16.0	428	63.1	60.3	48.6
Appanoose	5,355	-4.1	2.75	1.2	29.4	51.7	18.9	340	67.0	61.3	46.8
Audubon	3,147	-6.7	3.02	0.1	35.0	49.5	15.5	355	70.0	66.0	48.4
Benton	7,357	2.0	3.06	0.1	36.1	50.6	13.3	402	70.0	65.5	47.8
Black Hawk	39,638	11.7	3.19	5.4	35.5	55.4	9.1	349	66.7	59.2	46.2
Boone	8,649	1.8	2.88	0.3	31.7	52.1	16.2	329	68.0	60.8	46.6
Bremer	6,861	12.2	3.12	0.5	33.9	54.0	12.1	355	67.7	62.7	47.5
Buchanan	6,355	5.4	3.33	0.2	39.5	49.0	11.5	457	66.9	64.0	48.3
Buena Vista	6,789	2.2	2.94	0.2	33.6	51.6	14.8	329	67.6	62.2	47.2
Butler	5,520	2.1	3.04	0.2	34.0	51.6	14.4	381	70.1	66.5	48.1
Calhoun	4,826	-4.1	2.90	0.2	32.9	49.9	17.2	338	70.1	63.1	46.6
Carroll	6,780	2.2	3.32	0.1	40.0	46.7	13.3	447	65.8	59.0	46.6
Cass	5,933	-1.1	2.81	0.1	32.1	50.7	17.2	358	71.9	64.5	46.7
Cedar	5,661	2.9	3.08	0.1	34.5	51.5	14.0	378	69.2	65.9	48.6
Cerro Gordo	16,279	6.1	2.98	0.7	33.3	53.8	12.8	311	67.8	59.7	46.1
Cherokee	5,497	3.6	3.06	0.1	35.8	50.6	13.6	364	67.5	62.5	47.2
Chickasaw	4,498	4.2	3.29	0.1	38.6	47.9	13.5	456	66.8	64.2	48.5
Clarke	2,706	-3.9	2.76	0.1	30.1	52.1	17.8	331	72.1	65.3	46.9
Clay	6,096	7.0	2.98	0.2	34.5	52.4	13.1	318	70.5	62.2	46.1
Clayton	6,552	-2.1	3.10	0.2	35.3	49.8	14.9	407	66.6	64.0	49.0
Clinton	17,707	7.1	3.15	0.9	36.0	52.5	11.5	392	68.7	63.2	47.5
Crawford	6,031	6.4	3.10	0.2	36.2	50.7	13.1	409	67.5	65.9	48.9
Dallas	8,603	10.6	2.99	0.4	34.8	51.6	13.6	392	72.2	66.0	47.3
Davis	2,791	-4.2	2.89	0.3	31.6	51.6	16.8	310	71.2	66.3	47.6
Decatur	3,198	-4.1	2.75	0.6	26.8	55.1	18.1	263	61.4	56.8	47.5
Delaware	5,327	3.0	3.48	0.1	41.3	46.7	12.0	505	65.0	63.5	48.9
Des Moines	15,693	9.8	2.95	2.1	33.5	53.3	13.2	361	70.0	61.7	46.1
Dickinson	4,335	8.8	2.87	0.1	32.1	52.7	15.2	334	70.1	66.6	47.9
Dubuque	24,279	18.8	3.55	0.3	39.8	50.2	10.0	466	61.9	55.8	46.8
Emmet	4,325	-2.2	3.14	0.2	34.9	51.9	13.2	367	65.9	61.5	47.2
Fayette	8,364	-2.0	3.10	0.4	35.3	50.4	14.4	395	65.4	61.5	48.2
Floyd	6,392	-2.0	3.03	0.1	34.4	51.9	13.7	398	69.7	64.2	47.3
Franklin	4,571	-6.4	2.87	0.2	32.2	52.1	15.8	323	71.5	67.4	47.8
Fremont	3,237	-4.7	2.82	0.2	31.4	51.8	16.8	336	70.7	64.7	47.5
Greene	4,403	-6.9	2.86	0.1	33.2	50.3	16.6	381	71.3	63.7	46.4
Grundy	4,653	4.3	3.01	0.1	33.5	53.3	13.2	344	72.5	65.9	47.2
Guthrie	4,224	-5.8	2.85	0.1	31.8	49.7	18.5	361	70.4	64.7	47.4
Hamilton	6,159	-2.1	2.96	0.1	33.6	52.7	13.7	334	69.6	64.7	47.7
Hancock	4,339	-1.3	3.01	0.2	34.9	50.6	14.6	380	69.1	65.5	48.2
Hardin	7,458	1.3	2.87	0.5	32.0	52.2	15.8	331	64.9	61.6	47.2
Harrison	5,415	-1.9	2.95	0.1	34.0	49.6	16.4	363	68.9	64.2	47.4
Henry	5,917	7.5	2.89	0.7	31.5	54.2	14.3	344	66.5	62.9	48.0
Howard	3,627	-3.6	3.10	0.2	35.4	48.2	16.3	412	65.2	61.5	48.1
Humboldt	4,002	0.5	3.10	0.1	36.0	50.3	13.7	348	69.1	65.3	47.7
Ida	3,031	-7.5	2.98	0.1	34.0	50.3	15.7	355	71.0	65.7	47.7
Iowa	4,965	0.3	3.07	0.1	35.0	51.1	13.9	379	69.6	65.4	47.9
Jackson	6,270	3.2	3.28	0.2	38.7	48.3	13.0	468	65.5	63.7	48.8
Jasper	11,609	5.1	3.00	0.3	34.7	53.5	11.8	351	72.8	67.1	47.4
Jefferson	5,257	6.0	2.84	1.0	30.0	55.6	14.3	343	63.2	63.3	49.5
Johnson	22,491	49.2	2.88	1.7	28.7	64.3	7.0	303	56.4	53.6	48.4
Jones	5,949	1.3	3.17	0.5	35.5	52.1	12.4	402	64.1	64.3	50.8
Keokuk	4,695	-5.6	2.92	0.2	33.1	49.0	17.9	373	69.4	64.6	47.6
Kossuth	6,926	-3.6	3.27	0.2	38.2	48.9	12.9	397	67.1	63.1	48.1
Lee	13,953	4.3	3.00	2.7	33.7	53.6	12.8	364	67.1	61.3	47.5
Linn	50,855	20.4	3.13	1.5	36.2	54.8	9.1	390	69.7	62.5	46.6
Louisa	3,456	7.5	3.05	0.2	35.1	50.8	14.1	385	69.5	66.0	48.5
Lucas	3,582	-3.2	2.77	0.1	31.2	50.7	18.2	319	70.4	62.7	46.3
Lyon	4,090	-2.4	3.24	0.1	38.5	48.4	13.2	420	68.7	65.4	48.4
Madison	3,963	-0.8	2.87	0.1	32.0	51.0	17.0	341	71.8	66.2	47.4
Mahaska	7,543	-1.3	2.81	0.6	29.8	53.9	16.3	338	68.3	62.8	47.3
Marion	8,130	5.1	2.94	0.7	30.8	54.3	15.0	356	63.8	62.5	50.0
Marshall	13,286	11.2	3.01	0.9	34.0	53.6	12.3	384	69.1	64.4	47.8
Mills	3,657	1.2	2.91	0.2	33.4	53.7	13.0	324	66.1	63.4	48.2
Mitchell	4,038	-2.8	3.16	0.2	37.1	46.8	16.1	397	67.0	61.2	47.5
Monona	4,133	-6.7	2.87	0.1	32.3	50.8	16.9	338	68.2	63.8	47.7
Monroe	3,168	-3.7	2.90	0.3	31.9	49.5	18.7	334	66.1	61.1	47.2
Montgomery	4,621	-5.5	2.71	0.2	30.1	51.0	19.0	320	71.2	62.0	46.0
Muscatine	11,840	9.0	3.09	0.8	35.4	52.3	12.3	412	69.3	64.5	47.8
O'Brien	5,669	-2.6	3.02	0.1	35.0	49.1	15.9	360	69.3	63.2	46.8
Osceola	2,738	-7.8	3.10	0.2	36.1	48.9	15.0	374	67.9	65.1	48.2
Page	6,571	-2.8	2.67	0.5	28.1	53.2	18.7	293	68.5	61.3	46.6
Palo Alto	4,098	-2.9	3.18	0.2	36.2	49.1	14.7	365	65.3	62.1	48.0
Plymouth	7,167	5.2	3.26	0.2	36.5	51.3	12.2	349	63.0	60.1	48.6
Pocahontas	4,066	-4.1	3.08	0.1	36.0	48.3	15.7	398	67.1	64.3	48.4
Polk	93,415	10.7	2.98	4.6	34.1	56.1	9.8	351	68.8	60.1	45.8
Pottawattamie	26,776	7.6	3.20	1.0	37.5	51.9	10.6	378	69.4	63.2	46.8
Poweshiek	5,969	3.5	2.95	0.7	32.4	54.1	13.5	324	65.0	60.2	47.3
Ringgold	2,306	-12.6	2.72	0.2	29.0	51.9	19.1	285	72.2	67.1	47.5
Sac	5,080	-3.9	3.01	0.1	34.2	49.5	16.2	366	68.8	64.0	47.5
Scott	44,022	23.5	3.18	3.2	37.2	53.7	9.1	414	68.2	63.5	47.5
Shelby	4,631	3.2	3.28	0.1	38.6	47.4	14.0	428	67.3	64.2	48.5
Sioux	8,030	7.6	3.32	0.2	37.0	51.2	11.8	369	66.8	59.9	47.3
Story	18,296	28.9	2.89	1.6	27.0	64.8	8.3	290	51.7	57.6	52.6
Tama	6,553	-2.4	3.02	3.4	34.4	50.2	15.4	377	67.5	64.9	48.3
Taylor	3,223	-7.9	2.68	0.3	28.5	50.2	21.3	336	71.7	65.1	46.9
Union	4,774	2.6	2.79	0.3	31.5	50.4	18.1	370	70.7	62.8	46.2
Van Buren	3,025	-6.7	2.81	0.2	31.3	50.2	18.6	367	69.9	67.0	48.1
Wapello	14,352	-2.1	2.88	1.0	32.2	53.1	14.7	328	70.6	61.5	45.7
Warren	8,012	30.8	3.31	0.3	37.9	52.9	9.2	398	70.4	67.8	48.5
Washington	6,136	1.7	3.03	0.2	34.6	49.8	15.6	389	70.3	63.0	46.5
Wayne	3,137	-9.6	2.66	0.5	27.4	50.6	21.9	315	72.1	66.9	47.4
Webster	15,282	2.2	3.08	1.5	35.5	52.0	12.5	365	67.0	60.1	46.3
Winnebago	4,224	5.3	2.90	0.3	31.2	53.7	15.1	334	63.4	60.6	48.0
Winneshiek	6,058	1.8	3.25	0.4	34.1	52.4	13.5	344	57.6	55.7	48.7
Woodbury	32,834	-1.2	3.04	1.9	34.6	52.9	12.5	350	66.2	58.4	45.8
Worth	3,039	-2.5	2.93	0.4	32.2	51.4	16.3	354	67.7	65.4	48.8
Wright	5,744	-5.9	2.96	0.3	33.4	51.4	15.2	334	69.2	64.9	47.6

[1] Children under 5 years per 1,000 women 15 to 49 years.

Source: U.S. Department of Commerce, Bureau of the Census, "General Population Characteristics," Aug. 1971.

characteristics of Iowa smsa's 1970

	Population										Households			Population in Group Quarters	
	All Persons							Persons 14 Years and Over—Percent Married		Persons 18 Years and Over—Percent Male					
SMSA'S	Number	Percent Change 1960-70	Percent Negro and Other Races	Percent Under 18 Years	Percent 18 to 64 Years	Percent 65 Years and Over	Fertility Ratio	Male	Female		Number	Percent Change 1960-70	Persons Per Household	Number	Percent of Total
Cedar Rapids	163,213	19.2	1.5	36.2	54.8	9.1	390	69.7	62.5	46.6	50,855	20.4	3.13	3,846	2.4
Davenport-Rock Island-Moline, Ill-Iowa	362,638	13.5	3.7	35.6	54.4	10.0	392	68.7	63.7	47.3	114,835	17.9	3.10	6,854	1.9
Des Moines	286,101	7.4	4.6	34.1	56.1	9.8	351	68.8	60.1	45.8	93,415	10.7	2.98	7,414	2.6
Dubuque	90,609	13.2	0.3	39.8	50.2	10.0	466	61.9	55.8	46.8	24,279	14.8	3.55	4,407	4.9
Omaha, Nebr-Iowa	540,142	18.0	7.4	37.2	53.9	8.9	380	66.3	60.8	47.0	165,216	20.9	3.19	13,192	2.4
Sioux City, Iowa-Nebr.	116,189	3.2	1.8	35.0	52.7	12.2	362	66.5	59.1	46.1	36,745	0.1	3.07	3,409	2.9
Waterloo	132,916	8.5	5.4	35.5	55.4	9.1	349	66.7	59.2	46.2	39,638	11.7	3.19	6,356	4.8
URBANIZED AREAS															
Cedar Rapids	132,008	25.6	1.7	35.8	55.2	8.9	387	70.1	61.7	46.1	41,980	25.8	3.08	2,567	1.9
Davenport-Rock Island-Moline Ill-Iowa	266,119	17.1	4.7	35.1	55.0	9.9	388	68.0	62.2	47.0	85,281	22.1	3.05	5,876	2.2
Des Moines	255,824	6.1	5.1	33.6	56.3	10.1	349	68.3	59.0	45.5	84,602	9.6	2.94	6,808	2.7
Dubuque, Iowa-Ill	65,550	10.3	0.3	37.4	51.6	11.0	417	62.0	53.3	45.6	18,248	11.9	3.37	3,982	6.1
Omaha, Nebr-Iowa	491,776	26.1	8.1	37.1	54.1	8.8	379	65.9	59.9	46.8	151,112	27.5	3.17	12,664	2.6
Sioux City, Iowa-Nebr-S. Dak.	95,937	2.0	2.2	34.5	53.2	12.3	360	66.6	57.6	45.3	30,657	0.9	3.03	3,103	3.2
Waterloo	112,881	9.8	6.3	34.5	56.2	9.4	336	66.3	57.8	45.6	34,212	12.8	3.12	6,017	5.3

Source: "Characteristics of the Population—Iowa", U.S. Department of Commerce, Bureau of The Census. Issued Feb. 1973.

population of areas annexed, 1960-70

	1970 Population				Change, 1960 to 1970, in 1960 Area
	Total	In 1960 Area	In Annexed Area	1960 Population	
All places	1,516,255	1,434,990	81,265	1,385,334	49,656
Algona city	6,032	5,976	56	5,702	274
Ames city	39,505	32,032	7,473	27,003	5,029
Anamosa city	4,389	4,147	242	4,616	469
Ankeny city	9,151	6,535	2,616	2,964	3,571
Atlantic city	7,306	7,083	223	6,980	193
Audubon city	2,907	2,892	15	2,928	36
Bellevue city	2,336	2,230	106	2,181	49
Bettendorf city	22,126	20,588	1,538	11,534	9,054
Bloomfield city	2,718	2,718	...	2,771	53
Boone city	12,468	12,373	95	12,468	95
Burlington city	32,366	32,221	145	32,430	209
Camanche city	3,470	3,316	154	2,225	1,091
Carroll city	8,716	8,039	677	7,682	357
Cedar Falls city	29,597	26,691	2,906	21,195	5,496
Cedar Rapids city	110,642	99,970	10,672	92,035	7,935
Chariton city	5,009	4,712	297	5,042	330
Cherokee city	7,272	7,039	233	7,724	685
Clear Lake city	6,430	6,294	136	6,158	136
Clinton city	34,719	32,490	2,229	33,589	1,099
Coralville city	6,130	4,261	1,869	2,357	1,904
Corning city	2,095	1,923	172	2,041	118
Council Bluffs city	60,348	51,819	8,529	55,641	3,822
Cresco city	3,927	3,927	...	3 809	118
Creston city	8,234	8,165	69	7,667	498
Davenport city	98,469	98,153	316	88,981	9,172
Decorah city	7,458	7,098	360	6,435	663
Denison city	6,218	5,510	372	4,930	580
Des Moines city	201,404	200,215	372	208,982	8,767
De Witt city	3,647	3,645	2	3,224	421
Dubuque city	62,309	57,219	5,090	56,606	613
Emmetsburg city	4,150	4,077	73	3,887	190
Estherville city	8,108	8,055	53	7,927	128
Evansdale city	5,038	5,038	...	5,738	700
Fairfield city	8,715	7,683	1,032	8,054	371
Forest City city	3,841	3,702	139	2,930	772
Fort Dodge city	31,263	26,972	4,291	28,399	1,427
Fort Madison city	13,996	13,980	16	15,247	1,267
Glenwood city	4,195	4,124	71	4,783	659
Grinnell city	8,402	7,984	418	7,367	617
Grundy Center city	2,712	2,606	106	2,403	203
Guthrie Center city	1,834	1,784	50	2,071	287
Harlan city	5,049	4,978	71	4,350	628
Hawarden city	2,789	2,777	12	2,544	233
Ida Grove city	2,261	2,207	54	2,265	58
Independence city	5,910	5,491	419	5,498	7
Indianola city	8,852	8,715	137	7,062	1,653
Iowa City city	46,850	38,409	8,441	33,443	4,966
Keokuk city	14,631	14,631	...	16,316	1,686
Knoxville city	7,755	7,442	313	7,817	375
Le Mars city	8,159	7,842	317	6,767	1,075
Leon city	2,142	2,013	129	2,004	9
Madrid city	2,448	2,329	119	2,286	43
Manchester city	4,641	4,582	59	4,402	180
Maquoketa city	5,677	5,629	48	5,909	280
Marengo city	2,235	2,171	64	2,264	93
Marion city	18,028	16,107	1,921	10,882	5,225
Marshalltown city	26,219	22,632	3,587	22,521	111
Mason City city	30,379	30,229	262	30,642	413
Monticello city	3,509	3,374	135	3,190	184
Mount Pleasant city	7,007	6,857	150	7,339	482
Mount Vernon city	3,018	3,010	8	2,593	417
Muscatine city	22,405	22,170	235	20,997	1,173
Nevada city	4,952	4,937	15	4,227	710
New Hampton city	3,621	3,621	...	3,456	165
Newton city	15,619	15,619	...	15,281	238
Oelwein city	7,735	7,717	18	8,282	565
Orange City city	3,572	3,558	14	2,707	851
Osage city	3,815	3,757	58	3,753	4
Osceola city	3,124	3,124	...	3,350	226
Oskaloosa city	11,224	10,875	349	11,053	178
Ottumwa city	29,610	29,543	67	33,871	4,328
Pella city	6,668	6,482	186	5,198	1,284
Perry city	6,906	6,771	135	6,442	329
Pocahontas city	2,338	2,338	...	2,011	327
Red Oak city	6,210	4,784	1,426	6,421	1,637
Sheldon city	4,535	4,442	93	4,251	191
Shenandoah city	5,968	5,968	...	6,567	599
Sibley city	2,749	2,742	7	2,852	110
Sioux Center city	3,450	3,433	17	2,275	1,158
Sioux City city	85,925	85,572	253	89,159	3,487
Spencer city	10,278	9,969	309	8,864	1,105
Spirit Lake city	3,014	2,974	40	2,685	289
Storm Lake city	8,591	8,316	275	7,728	588
Tipton city	2,877	2,829	48	2,862	33
Toledo city	2,361	2,361	...	2,417	56
Urbandale city	14,434	13,056	1,378	5,821	7,235
Vinton city	4,845	4,781	64	4,781	...
Washington city	6,317	6,298	19	6,037	261
Waterloo city	75,533	70,357	5,176	71,755	1,398
Waukon city	3,883	3,507	376	3,639	132
Waverly city	7,205	7,169	36	6,357	812
Webster City city	8,488	7,952	536	8,520	568
West Burlington city	3,139	3,067	72	2,560	507
West Des Moines city	16,441	16,441	...	11,949	4,492
West Liberty city	2,296	2,296	...	2,042	254
Windsor Heights town	6,303	5,711	592	4,715	996
Winterset city	3,654	3,642	12	3,639	3

Source: U.S. Department of Commerce, Bureau of the Census, "Number of Inhabitants," June 1971.

summary of places, 2500 or more inhabitants

Places	Population Number	Population Percent Change 1960-70	Households Number	Households Percent Change 1960-70	Persons Per Household
Albia	4,151	-9.4	1,567	-0.6	2.56
Algona	6,032	5.8	2,022	9.6	2.92
Altoona	2,854	95.7	802	(NA)	3.53
Ames	39,506	46.3	10,716	46.8	2.81
Anamosa	4,389	-4.9	1,257	7.3	2.99
Ankeny	9,151	208.7	2,562	204.9	3.51
Atlantic	7,306	6.0	2,648	8.3	2.68
Audubon	2,907	-0.7	1,036	4.6	2.72
Belle Plaine	2,810	-3.9	1,071	1.7	2.59
Bettendorf	22,126	91.8	6,174	91.7	3.56
Bloomfield	2,718	-1.9	1,067	6.2	2.48
Boone	12,468	—	4,386	1.5	2.75
Burlington	32,366	-0.2	11,159	4.0	2.88
Camanche	3,470	56.0	1,020	(NA)	3.40
Carroll	8,716	13.5	2,560	15.9	3.30
Carter Lake	3,268	42.9	829	(NA)	3.94
Cedar Falls	29,597	39.6	7,976	36.0	3.09
Cedar Rapids	110,642	20.2	35,719	20.9	3.03
Centerville	6,531	-1.5	2,452	0.8	2.56
Chariton	5,009	-0.7	1,886	2.9	2.56
Charles City	9,268	-7.0	3,201	-2.6	2.83
Cherokee	7,272	-5.9	2,450	10.1	2.80
Clarinda	5,420	10.5	1,852	7.8	2.53
Clarion	2,972	8.0	1,079	-3.0	2.71
Clear Lake City	6,430	4.4	2,248	11.8	2.82
Clinton	34,719	3.4	11,277	7.8	3.02
Clive	3,006	299.6	884	(NA)	3.36
Coralville	6,130	160.1	2,106	(NA)	2.76
Council Bluffs	60,348	8.5	18,948	11.6	3.13
Cresco	3,927	3.1	1,381	7.9	2.77
Creston	8,234	7.4	3,020	10.9	2.67
Davenport	98,469	10.7	31,654	15.8	3.03
Decorah	7,458	15.9	2,071	10.8	2.70
Denison	5,882	19.3	2,064	21.7	2.80
Des Moines	200,587	-4.0	68,506	0.4	2.83
De Witt	3,647	13.1	1,221	15.6	2.99
Dubuque	62,309	10.1	17,370	11.9	3.36
Dyersville	3,437	22.0	978	20.4	3.47
Eagle Grove	4,489	2.5	1,496	4.0	2.90
Eldora	3,223	-0.1	1,086	0.6	2.64
Emmetsburg	4,150	6.8	1,332	12.4	2.96
Estherville	8,108	2.3	2,523	2.5	3.07
Evansdale	5,038	12.2	1,359	-3.1	3.69
Fairfield	8,715	8.2	2,996	13.3	2.64
Forest City	3,841	31.1	1,199	26.9	2.73
Fort Dodge	31,263	10.1	10,112	8.3	2.98
Fort Madison	13,996	-8.2	4,654	1.2	2.83
Glenwood	4,195	-12.3	1,208	5.9	2.74
Grinnell	8,402	14.0	2,696	22.9	2.73
Grundy Center	2,712	12.9	1,002	(NA)	2.66
Hampton	4,376	-2.8	1,619	2.8	2.63
Harlan	5,049	16.1	1,693	16.3	2.90
Hawarden	2,789	9.6	937	13.3	2.89
Humboldt	4,665	15.7	1,532	18.8	2.97
Independence	5,910	7.5	1,974	11.1	2.97

Places	Population Number	Population Percent Change 1960-70	Households Number	Households Percent Change 1960-70	Persons Per Household
Indianola	8,852	25.3	2,714	26.8	2.92
Iowa City	46,850	40.1	14,706	56.9	2.70
Iowa Falls	6,454	16.0	2,122	13.1	2.87
Jefferson	4,735	3.6	1,724	3.2	2.69
Keokuk	14,631	-10.3	5,007	-4.0	2.90
Knoxville	7,755	-0.8	2,365	10.7	2.76
Lamoni	2,540	16.9	649	(NA)	2.68
Le Claire	2,520	63.0	721	(NA)	3.50
Le Mars	8,159	20.6	2,534	19.6	2.88
Manchester	4,641	5.4	1,612	9.7	2.79
Maquoketa	5,677	-3.9	1,984	3.0	2.76
Marion	18,028	65.7	5,332	65.8	3.35
Marshalltown	26,219	16.4	8,765	19.7	2.88
Mason City	30,491	-0.5	10,270	7.6	2.92
Missouri Valley	3,519	-1.3	1,178	1.3	2.90
Monticello	3,509	10.0	1,128	6.4	2.89
Mount Pleasant	7,007	-4.5	2,282	9.5	2.68
Mount Vernon	3,018	16.4	693	5.5	2.96
Muscatine	22,405	6.7	7,401	6.3	2.99
Nevada	4,952	17.2	1,703	18.1	2.83
New Hampton	3,621	4.8	1,181	11.0	2.99
Newton	15,619	1.5	5,401	6.8	2.86
Oelwein	7,735	-6.6	2,661	-0.8	2.86
Onawa	3,154	-0.7	1,130	2.0	2.69
Orange City	3,572	32.0	1,100	24.6	2.83
Osage	3,815	1.7	1.332	2.8	2.75
Osceola	3,124	-6.7	1,277	2.5	2.43
Oskaloosa	11,224	1.5	4,028	2.4	2.60
Ottumwa	29,610	-12.6	10,487	-4.9	2.78
Pella	6,668	28.3	2,063	19.5	2.70
Perry	6,906	7.2	2,479	10.4	2.71
Red Oak	6,210	-3.3	2,306	2.6	2.56
Rock Rapids	2,632	-5.3	981	1.8	2.67
Sac City	3,268	-2.6	1,146	—	2.77
Sheldon	4,535	6.7	1,521	7.0	2.92
Shenandoah	5,968	-9.1	2,328	—	2.51
Sibley	2,749	-3.6	980	1.8	2.81
Sioux Center	3,450	51.5	936	(NA)	3.08
Sioux City	85,925	-3.6	27,619	-0.6	3.00
Spencer	10,278	16.0	3,527	22.0	2.83
Spirit Lake	3,014	12.3	1,066	17.3	2.81
Storm Lake	8,591	11.2	2,819	13.4	2.83
Tama	3,000	2.6	1,094	6.4	2.84
Tipton	2,877	0.5	1,036	4.3	2.71
Urbandale	14,434	148.0	4,037	170.0	3.56
Vinton	4,845	1.3	1,700	4.6	2.70
Washington	6,317	4.6	2,300	8.2	2.69
Waterloo	75,533	5.3	24,165	10.0	3.08
Waukon	3,883	6.7	1,304	11.6	2.85
Waverly	7,205	13.3	2,135	16.9	2.82
Webster City	8,488	-0.4	2,922	4.8	2.87
West Burlington	3,139	22.6	1,003	28.8	3.13
West Des Moines	16,441	37.6	4,864	42.6	3.34
West Union	2,634	2.9	899	5.8	2.83
Windsor Heights	6,303	33.7	2,000	41.2	3.15
Winterset	3,654	0.4	1,417	6.4	2.51

Source: "General Population Characteristics—Iowa." U.S. Department of Commerce, Bureau of the Census.

Iowa's 100 fastest growing places increase in population by 25% or more

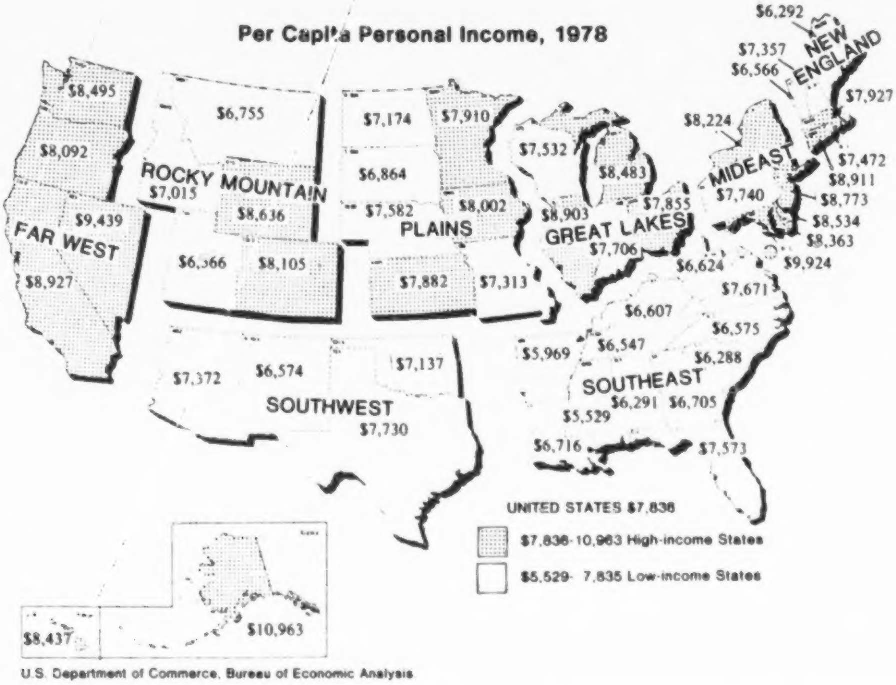
Places (Ranked)	1960-70 %Change
Asbury	477.5
Clive	299.6
Pleasant Hill	286.6
North Liberty	215.9
Ankeny	208.7
Sageville	207.3
Eldridge	163.3
Coralville	160.1
Urbandale	148.0
Waukee	129.5
Hartford	114.8
Altoona	95.7
Huxley	92.8
Bettendorf	91.8
Holy Cross	84.7
Balltown	83.7
Blue Grass	81.7
Hiawatha	80.8
Middletown	80.8
Carlisle	70.5
Marion	65.7
Gilbert	63.8
Danville	63.7
Hills	63.5
Le Claire	63.0

Places (Ranked)	1960-70 %Change
Donahue	62.4
Epworth	62.2
Panorama Park	56.4
Washburn	56.4
Camanche	56.0
Robins	55.6
Raymond	54.0
Swisher	53.9
Slater	52.6
Sioux Center	51.6
University Hts.	50.4
Walcott	48.9
Graf	48.9
Durango	48.6
New Vienna	47.9
Long Grove	47.8
Ames	46.3
Ackworth	44.2
Riverdale	43.4
Carter Lake	42.9
Sergeant Bluff	41.8
New Hall	41.6
Hudson	41.5
Orleans	41.4
Granger	41.2

Places (Ranked)	1960-70 %Change
Spring Brook	41.0
Denver	40.7
Iowa City	40.1
Mitchellville	40.1
Cedar Falls	39.6
Buffalo	39.1
Solon	38.6
Martelle	38.1
West Point	37.9
W. Des Moines	37.6
Badger	36.8
Stockton	35.4
Stout	35.2
De Soto	35.2
Mayoville	34.9
Sully	34.8
Brandon	34.2
Windsor Hts.	33.7
Earling	32.9
Orange City	32.0
Norwalk	31.4
Albion	31.3
Forest City	31.1
Fostoria	31.1
Ostordock	31.1

Places (Ranked)	1960-70 %Change
McCausland	30.6
Rock Valley	30.2
Carson	29.7
Wheatland	29.4
Luther	28.6
Treynor	28.3
Pella	28.3
Melbourne	27.9
Denison	27.8
Cumming	27.7
Wahpeton	27.4
Oyens	27.2
Reasnor	26.8
Pleasantville	26.5
Valeria	26.3
Polk City	26.1
Dike	26.0
Underwood	25.8
De Loit	25.7
West Branch	25.5
Indianola	25.3
Lawton	25.3
Plano	25.3
St. Charles	24.8
Fairbank	24.6

Source: Compiled by The Resource & Support Division, Iowa Development Commission from Census data.


Per Capita Personal Income, 1978
FAR WEST
$8,495
$8,092
$9,439
$8,927
ROCKY MOUNTAIN
$6,755
$7,015
$8,636
$6,366
$8,105
PLAINS
$7,174
$7,910
$6,864
$7,582
$8,002
$7,882
$7,313
GREAT LAKES
$7,532
$8,483
$8,903
$7,855
$7,706
SOUTHWEST
$7,372
$6,574
$7,137
$7,730
SOUTHEAST
$6,607
$6,624
$7,671
$6,575
$5,969
$6,547
$6,288
$6,291
$6,705
$5,529
$6,716
$7,573
MIDEAST
$8,224
$7,740
$7,472
$8,911
$8,773
$8,534
$8,363
$9,924
NEW ENGLAND
$6,292
$7,357
$6,566
$7,927
$8,437
$10,963
UNITED STATES $7,836
▨ $7,836-10,963 High-income States
☐ $5,529- 7,835 Low-income States

U.S. Department of Commerce, Bureau of Economic Analysis

per capita income, midwest

	1960	1965	1967	1970	1974	1975	1976	1977	1978
IOWA	$1,983	$2,754	$3,039	$3,751	$5,329	$5,894	$6,123	$6,877	$8,002
Minnesota	2,075	2,642	3,032	3,859	5,421	5,779	6,222	7,088	7,910
South Dakota	1,784	2,182	2,565	3,123	4,755	5,009	5,011	5,850	6,864
Nebraska	2,110	2,619	3,018	3,789	5,193	5,882	6,054	6,672	7,582
Kansas	2,160	2,701	3,099	3,853	5,498	5,958	6,444	7,040	7,882
Missouri	2,112	2,716	3,091	3,781	5,017	5,476	5,925	6,565	7,313
Illinois	2,646	3,291	3,717	4,507	6,214	6,735	7,310	8,046	8,903
Wisconsin	2,188	2,712	3,083	3,812	5,179	5,616	6,097	6,775	7,532
Indiana	2,178	2,840	3,153	3,772	5,216	5,609	6,245	6,906	7,706
Ohio	2,345	2,893	3,263	4,020	5,435	5,778	6,410	7,102	7,855
U.S.	2,222	2,785	3,188	3,966	5,428	5,861	6,402	7,042	7,836

Source: Survey of Current Business, October, 1978. U.S. Department of Commerce.

total personal income, midwest (billions)

	1960	1965	1967	1970	1974	1975	1976	1977	1978
IOWA	$ 5.47	$ 7.55	$ 8.49	$10.62	$15.22	$16.82	$17.60	$19.86	$23.17
Minnesota	7.11	8.49	11.09	14.72	21.17	22.66	24.60	28.21	31.70
South Dakota	1.22	1.51	1.72	2.09	3.24	3.41	3.44	4.02	4.73
Nebraska	2.99	3.85	4.40	5.64	1.54	9.08	9.40	10.37	11.87
Kansas	4.72	5.96	6.81	8.67	12.46	13.58	14.81	16.33	18.51
Missouri	9.13	12.13	14.03	17.73	23.94	26.10	28.36	31.66	35.54
Illinois	26.69	35.19	40.69	50.15	69.35	75.42	81.83	90.34	100.09
Wisconsin	8.67	11.48	13.27	16.88	23.65	25.77	28.10	31.46	35.24
Indiana	10.18	13.98	15.93	19.62	27.72	29.80	33.18	36.95	41.41
Ohio	22.82	29.51	33.98	42.87	58.40	62.03	68.53	75.96	84.43

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Iowa is middle-of-road in taxable payrolls, 1977

	Number of Employees Week of March 12	Annual Taxable Payroll ($000)	Estimated Weekly Payroll per Employee
IOWA	820,688	8,524,159	199.74
Minnesota	1,235,385	13,866,359	215.85
South Dakota	148,313	1,294,995	167.91
Nebraska	439,334	4,280,839	187.38
Kansas	656,337	6,550,306	191.92
Missouri	1,492,152	16,473,462	212.31
Illinois	3,905,872	48,567,827	239.13
Wisconsin	1,430,748	15,901,682	213.74
Indiana	1,687,246	19,948,598	227.37
Ohio	3,454,009	42,642,516	237.42

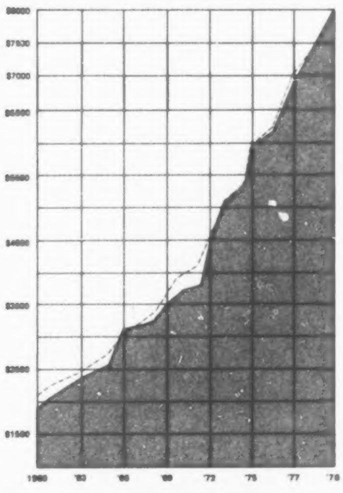
Source: "County Business Patterns," U.S. Department of Commerce, Bureau of the Census.

personal income comes from diverse sources, 1978 (millions)

Income by place of work	Iowa	Minnesota	South Dakota	Nebraska	Kansas	Missouri	Illinois	Wisconsin	Indiana	Ohio
Total labor and proprietors income	$17,538	$25,418	$3,596	$8,995	$13,484	$28,833	$78,371	$27,544	$33,157	$67,332
By type										
Wage and salary disbursements	12,548	20,067	2,323	6,769	10,436	23,349	65,323	22,383	27,299	57,052
Other labor income	1,217	2,008	209	608	1,041	2,296	6,595	2,292	3,051	5,871
Proprietors income	3,774	3,343	1,064	1,618	2,007	3,188	6,453	2,869	2,807	4,409
Farm	2,318	1,641	763	893	760	1,092	1,536	1,142	662	544
Nonfarm	1,456	1,702	302	726	1,247	2,096	4,917	1,727	2,145	3,865
By industry										
Farm	2,572	1,834	817	1,062	894	1,213	1,813	1,327	836	782
Nonfarm	14,967	23,584	2,779	7,933	12,740	27,620	76,558	26,217	32,321	66,550
Private	12,786	20,120	2,112	6,432	10,394	23,661	66,807	22,633	28,566	58,497
Manufacturing	4,362	6,118	320	1,404	2,942	7,528	23,662	9,803	13,877	26,398
Mining	44	392	50	34	299	162	719	49	213	688
Contract construction	1,154	1,673	231	633	896	1,719	4,471	1,619	1,980	3,626
Wholesale and retail trade	2,881	4,599	616	1,609	2,348	5,149	13,615	4,241	4,856	10,380
Wholesale trade	1,186	2,020	243	692	989	2,186	6,138	1,559	1,726	3,953
Retail trade	1,695	2,579	373	917	1,359	2,963	7,477	2,682	3,130	6,427
Finance, insurance and real estate	921	1,434	160	587	727	1,620	4,942	1,324	1,399	2,872
Transportation and public utilities	1,131	1,979	243	853	1,198	2,841	6,266	1,662	2,230	4,798
Services	2,236	3,843	479	1,280	1,937	4,566	12,958	3,853	3,943	9,582
Government and government enterprises	2,180	3,463	666	1,501	2,196	3,960	9,751	3,584	3,755	8,053
Derivation of personal income by place of residence										
Total labor and proprietors income by place of work	17,538	25,418	3,596	8,995	13,484	28,833	78,371	27,544	33,157	67,332
Less: Personal contributions for social insurance by place of work	882	1,352	194	467	734	1,485	3,983	1,410	1,665	3,456
Net labor and proprietors income by place of work	16,656	24,066	3,402	8,528	12,750	27,349	74,388	26,134	31,491	63,876
Plus: Residence adjustment	102	-25	4	-138	800	-1,516	350	415	139	-464
Net labor and proprietors income by place of residence	16,759	24,040	3,406	8,390	13,550	25,832	74,737	26,550	31,630	63,412
Plus: Dividends, interest and rent	3,800	4,095	734	2,124	2,808	4,692	14,160	4,357	5,372	10,501
Plus: Transfer payments	2,621	3,579	595	1,359	2,155	4,736	11,222	4,343	4,422	10,541
Personal income by place of residence	23,170	31,703	4,733	11,868	18,505	35,538	100,091	35,241	41,412	84,432

Source: "Survey of Current Business," August, 1979, U.S. Department of Commerce.

Iowa per capita income in step with U.S.



IOWA —
U.S. ....

Source: U.S. Department of Commerce, Bureau of Economic Analysis

	IOWA	U.S.
1960	$1,983	$2,222
1961	2,081	2,274
1962	2,179	2,381
1963	2,312	2,469
1964	2,418	2,603
1965	2,754	2,785
1966	3,004	3,001
1967	3,039	3,188
1968	3,237	3,457
1969	3,514	3,733
1970	3,751	3,966
1971	3,865	4,195
1972	4,297	4,537
1973	5,168	4,980
1974	5,329	5,428
1975	5,867	5,852
1976	6,123	6,402
1977	6,877	7,042
1978	8,002	7,836

personal income reflects industrial growth

	1960	1965	1970	1974	1975	1976	1977	1978
Total labor & proprietors income	$5,568	$7,522	$10,609	11,469	12,429	13,106	$14,777	$17,538
By Type								
Wage & salary disbursements	3,021	3,876	5,808	8,401	8,992	10,162	11,335	12,548
Other labor income	111	198	333	612	735	879	1,052	1,217
Proprietors income	1,306	1,884	2,114	2,456	2,702	2,065	2,389	3,774
Farm	666	1,133	1,287	1,396	1,601	851	1,018	2,318
Nonfarm	640	751	827	1,059	1,101	1,214	1,371	1,456
By Industry								
Farm	N A	N A	N A	1,554	1,777	1,077	1,265	2,572
Nonfarm	N A	N A	N A	9,915	10,652	12,030	13,512	14,967
Manufacturing	912	1,233	1,791	3,006	3,044	3,403	3,919	4,362
Durables	N A	N A	1,019	1,087	(D)	(D)	2,520	2,826
Nondurables	N A	N A	773	1,919	(D)	(D)	1,399	1,536
Mining	14	19	26	55	50	49	26	44
Contract construction	194	229	367	696	733	851	1,032	1,154
Wholesale & retail trade	627	736	1,076	1,958	2,072	2,488	2,663	2,881
Wholesale trade	N A	N A	N A	660	936	1,055	1,107	1,186
Retail trade	N A	N A	N A	1,298	1,136	1,433	1,556	1,695
Finance, insurance & real estate	143	185	283	514	567	645	778	921
Transportation, communication & utilities	285	309	418	779	814	899	1,001	1,131
Services	292	409	653	1,365	1,518	1,751	1,989	2,236
Other industries	10	12	15	49	41	44	N/A	N/A
Government	470	675	1,098	1,493	1,711	1,900	2,057	2,180
Federal, civilian	99	139	213	235	262	284	307	290
Federal, military	24	17	18	32	33	34	35	36
State & local	348	523	867	1,226	1,417	1,582	1,714	1,855
Personal contributions for social insurance	109	154	331	594	637	696	774	882
Dividends, interest & rent	825	1,188	1,639	2,566	2,836	3,126	3,271	3,800
Transfer payments	414	542	1,047	1,682	2,037	2,262	2,425	2,621
Personal income by place of residence	N A	N A	N A	15,224	16,783	17,923	19,803	23,170

(D) Not shown to avoid disclosure of confidential information.
Note: Detail may not add to total due to rounding.
Source: "Survey of Current Business," August, 1979, U.S. Department of Commerce

industrial payrolls contribute substantially

Major Industry Groups	1976 Number of Employees (mid-March)	1976 Taxable Payrolls (Annual $000)	1976 Total Reporting Units	1977 Number of Employees (mid-March)	1977 Taxable Payrolls (Annual $000)	1977 Total Reporting Units
Total	*789,872	*$7,630,295	64,885	820,688	$8,524,159	67,343
Agricultural Services	2,998	24,634	748	3,348	31,651	775
Mining	*2,673	*36,731	209	2,630	37,758	237
Contract Construction	39,587	584,303	7,048	43,127	663,805	7,793
Manufacturing	230,601	3,013,939	3,329	245,046	3,402,027	3,533
Transportation & Utilities	*42,753	*527,130	3,145	44,176	596,701	3,290
Wholesale Trade	69,758	804,927	7,352	70,291	861,066	7,507
Retail Trade	184,968	1,044,448	19,850	189,223	1,147,615	20,463
Finance, Insurance, Real Est.	51,836	507,963	5,626	53,550	573,235	5,943
Services	*163,115	*1,071,329	16,278	168,511	1,202,353	17,043
Unclassified Est.	1,583	14,895	1,300	786	7,949	759

*Revised

Source: County Business Patterns — Iowa, 1977, U.S. Department of Commerce.

per capita income distributed in Iowa

County	T[illegible]sonal Income (M[illegible] of Dollars) 1974	1975	1976	Total Per Capita Personal Income (Dollars) 1974	1975	1976
Iowa	$15,884	$17,437	$17,904	$5,561	$6,076	$6,239
Adair	42	50	57	4,505	4,990	6,038
Adams	26	32	32	4,241	5,249	5,560
Allamakee	66	80	83	4,411	5,258	5,483
Appanoose	62	66	74	4,204	4,357	4,951
Audubon	42	50	48	4,703	5,482	5,327
Benton	134	138	123	5,803	5,803	5,277
Black Hawk	756	814	901	5,657	6,049	6,644
Boone	163	173	167	6,131	6,574	6,406
Bremer	130	138	134	5,408	5,679	5,603
Buchanan	112	120	124	5,068	5,371	5,518
Buena Vista	132	135	116	6,408	6,433	5,689
Butler	86	97	94	5,011	5,658	5,482
Calhoun	91	91	79	6,590	6,624	5,727
Carroll	118	130	126	5,070	5,578	5,443
Cass	89	101	104	5,211	6,012	6,196
Cedar	104	119	107	5,973	6,927	6,080
Cerro Gordo	289	312	312	5,854	8,435	6,419
Cherokee	93	108	100	5,552	6,451	6,167
Chickasaw	74	83	80	4,906	5,391	5,247
Clarke	37	43	44	4,783	5,460	5,586
Clay	109	126	126	5,858	6,688	6,675
Clayton	98	112	111	4,774	5,328	5,415
Clinton	308	349	349	5,384	6,015	6,048
Crawford	85	104	96	4,608	5,688	5,1[illegible]3
Dallas	164	172	174	6,075	6,379	6,3[illegible]
Davis	34	38	41	4,086	4,478	4,740
Decatur	37	39	37	3,855	4,166	3,809
Delaware	87	99	97	4,567	5,204	5,059
Des Moines	268	288	296	5,871	6,278	6,544
Dickinson	77	87	85	5,774	6,417	6,112
Dubuque	506	548	604	5,409	5,834	6,316
Emmet	83	87	79	6,071	6,269	5,820
Fayette	128	137	133	4,845	5,079	5,152
Floyd	119	126	118	5,949	6,243	5,824
Franklin	91	93	77	6,924	6,974	5,890
Fremont	57	59	58	6,115	6,469	6,439
Greene	85	92	83	6,976	7,534	6,848
Grundy	99	98	90	7,065	7,036	6,447
Guthrie	62	64	60	5,004	4,889	4,945
Hamilton	119	127	113	6,674	7,016	6,323
Hancock	88	90	83	6,625	6,696	6,180
Hardin	138	145	137	6,214	6,594	6,285
Harrison	76	92	84	4,615	5,492	5,064
Henry	106	119	116	5,946	6,687	6,586
Howard	48	54	54	4,268	4,676	4,772
Humboldt	85	86	76	6,771	6,976	6,021
Ida	51	60	49	5,608	6,760	5,573
Iowa	89	102	91	5,752	6,635	5,947
Jackson	96	115	113	4,453	5,443	5,123

County	Total Personal Income (Millions of Dollars) 1974	1975	1976	Total Per Capita Personal Income (Dollars) 1974	1975	1976
Jasper	204	220	227	5,610	6,062	6,233
Jefferson	83	88	94	5,892	6,087	6,308
Johnson	374	416	445	4,993	5,508	5,803
Jones	95	110	100	4,917	5,531	5,018
Keokuk	67	79	81	4,965	5,785	6,081
Kossuth	152	154	129	6,723	6,715	5,692
Lee	226	241	263	5,362	5,882	6,277
Linn	975	1,055	1,153	5,903	6,340	6,908
Louisa	57	65	66	5,165	5,883	5,975
Lucas	49	54	59	4,765	5,284	5,874
Lyon	52	67	66	3,866	5,120	5,023
Madison	56	62	66	4,653	5,031	5,499
Mahaska	114	123	137	5,120	5,547	6,318
Marion	151	164	181	5,635	5,983	6,593
Marshall	266	292	305	6,296	6,821	7,168
Mills	66	74	73	5,242	5,789	5,804
Mitchell	63	72	64	4,986	5,676	5,007
Monona	63	76	57	5,365	6,315	4,936
Monroe	41	46	49	4,367	4,902	5,263
Montgomery	71	84	87	5,511	6,505	6,790
Muscatine	229	263	276	5,946	6,696	7,050
O'Brien	93	109	115	5,283	6,206	6,623
Osceola	40	52	49	4,714	6,032	6,011
Page	97	111	118	5,152	5,770	6,356
Palo Alto	86	85	74	6,408	6,467	5,570
Plymouth	113	128	127	4,728	5,278	5,261
Pocahontas	86	86	64	7,219	7,170	5,465
Polk	1,834	2,023	2,202	6,137	6,754	7,319
Pottawattamie	437	487	508	5,047	5,619	5,875
Poweshiek	109	120	124	5,634	5,941	6,394
Ringgold	25	31	33	3,969	5,090	5,423
Sac	95	101	86	6,291	6,652	5,764
Scott	923	995	1,066	6,226	6,653	7,021
Shelby	77	89	84	4,999	5,795	5,505
Sioux	123	143	151	4,280	4,890	5,181
Story	336	371	389	5,027	5,524	5,646
Tama	120	131	118	5,962	6,445	6,009
Taylor	33	41	44	4,024	5,004	5,464
Union	62	69	74	4,631	5,323	5,659
Van Buren	40	44	44	4,675	5,427	5,293
Wapello	197	211	237	4,837	5,360	5,944
Warren	148	166	194	4,793	5,243	6,046
Washington	105	119	125	5,542	6,777	6,621
Wayne	35	40	39	4,104	4,826	4,801
Webster	277	283	285	5,875	5,996	6,030
Winnebago	82	96	96	5,914	7,139	7,021
Winneshiek	88	99	101	4,025	4,580	4,659
Woodbury	566	629	683	5,452	5,963	6,602
Worth	48	57	50	5,480	6,426	5,658
Wright	118	125	110	7,045	7,396	6,583

Source: Local Personal Income, 1970-1976, U.S. Department of Commerce.

taxable payrolls by county, Iowa 1976 and 1977

County	1976			1977		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Total	64,885	*789,872	*$7,630,295	67,343	820,688	$8,524,159
Adair	229	*1,307	*9,518	240	1,461	11,476
Adams	119	1,706	12,338	121	1,694	13,225
Allamakee	387	3,000	21,854	405	3,019	23,333
Appanoose	337	3,398	28,040	345	3,337	28,199
Audubon	237	1,313	8,732	232	1,345	9,189
Benton	496	3,035	25,128	508	3,119	27,785
Black Hawk	2,722	48,181	542,975	2,878	49,386	609,307
Boone	529	4,551	36,149	518	4,483	38,952
Bremer	526	*5,086	*46,169	548	5,148	50,567
Buchanan	424	2,926	21,971	447	2,681	22,584
Buena Vista	574	4,758	39,037	579	5,100	44,554
Butler	367	1,863	15,870	404	2,054	17,560
Calhoun	345	2,035	14,634	359	2,044	15,728
Carroll	641	5,476	45,001	653	5,713	52,119
Cass	535	3,927	30,929	550	4,003	34,644
Cedar	399	2,476	18,749	416	2,690	23,124
Cerro Gordo	1,347	14,703	128,455	1,411	15,633	144,293
Cherokee	370	3,599	34,227	386	3,943	38,057
Chickasaw	358	2,960	25,309	369	3,141	29,691
Clarke	183	1,409	9,638	193	1,515	11,332
Clay	552	5,490	49,652	584	5,993	57,518
Clayton	450	3,162	26,038	457	3,234	26,806
Clinton	1,152	17,426	166,111	1,162	17,624	183,271
Crawford	439	3,585	30,366	453	4,370	43,041
Dallas	591	4,884	46,398	599	5,051	46,501
Davis	161	928	7,347	167	1,046	8,389
Decatur	182	1,632	10,705	184	1,466	11,366
Delaware	364	2,494	20,190	414	2,798	24,084
Des Moines	1,008	*16,490	*162,974	1,086	17,192	191;246
Dickinson	412	3,292	26,055	457	3,714	30,729
Dubuque	1,896	35,326	402,519	1,974	36,832	462,316
Emmet	339	3,523	34,111	330	3,533	36,259
Fayette	627	4,497	34,537	646	4,722	39,838
Floyd	424	6,423	65,899	468	6,107	70,592
Franklin	375	2,901	23,873	367	2,696	25,853
Fremont	218	1,995	16,163	199	1,156	8,993
Greene	290	1,823	15,527	302	2,158	18,631
Grundy	318	2,129	17,773	322	2,123	19,170
Guthrie	264	1,330	8,426	275	1,462	9,559
Hamilton	447	3,742	31,198	474	4,174	32,701
Hancock	358	2,185	17,208	347	2,149	18,879
Hardin	652	4,876	42,486	681	5,078	43,468
Harrison	322	2,028	14,246	332	1,963	14,848
Henry	454	4,896	37,442	470	4,758	43,953
Howard	277	1,598	11,699	283	1,691	12,833
Humboldt	334	2,580	21,760	344	2,282	20,584
Ida	256	1,719	13,205	247	1,692	14,585
Iowa	390	6,280	53,018	410	5,973	51,586
Jackson	467	3,463	24,212	484	3,610	27,890
Jasper	704	9,963	107,352	739	10,118	114,646
Jefferson	337	3,844	30,708	347	3,968	36,068
Johnson	1,350	15,442	130,373	1,474	16,749	152,424

taxable payrolls by county (continued)

County	1976			1977		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Jones	470	3,141	23,418	460	3,119	25,497
Keokuk	302	1,555	11,544	302	1,719	13,881
Kossuth	546	4,211	35,023	560	4,648	40,325
Lee	955	13,838	134,596	1,028	14,580	162,807
Linn	3,356	65,501	721,263	3,535	68,361	798,071
Louisa	202	1,506	13,262	209	1,565	14,304
Lucas	209	2,020	18,327	221	2,078	19,178
Lyon	275	1,460	11,035	281	1,558	12,664
Madison	251	1,474	10,324	272	1,570	11,927
Mahaska	560	5,276	41,229	574	5,215	41,610
Marion	573	6,547	61,634	588	7,656	74,211
Marshall	936	13,273	148,390	961	16,436	175,333
Mills	250	1,681	13,333	263	1,852	16,101
Mitchell	307	1,715	12,224	314	1,778	13,300
Monona	317	1,734	12,334	323	1,774	12,912
Monroe	179	1,437	12,256	178	1,509	14,652
Montgomery	341	3,347	27,469	362	3,353	29,744
Muscatine	876	14,108	149,474	909	15,731	166,929
O'Brien	518	3,471	25,551	534	3,597	28,581
Osceola	214	1,331	10,422	212	1,388	10,584
Page	477	4,091	29,725	512	5,115	43,085
Palo Alto	296	1,768	12,660	317	1,974	14,129
Plymouth	575	4,497	35,851	590	4,877	40,784
Pocahontas	327	2,107	16,059	329	1,986	16,096
Polk	7,395	135,572	1,433,600	7,854	140,735	1,591,411
Pottawattamie	1,472	16,970	140,360	1,520	16,553	147,472
Poweshiek	460	4,952	42,099	475	5,320	47,157
Ringgold	139	725	4,429	146	792	5,062
Sac	428	3,220	24,974	441	2,784	22,932
Scott	3,103	51,485	569,602	3,308	53,654	659,051
Shelby	356	2,605	19,636	369	2,552	21,022
Sioux	764	6,755	50,752	803	6,895	55,613
Story	1,343	13,895	110,678	1,397	15,226	131,848
Tama	433	2,885	23,958	446	2,963	24,948
Taylor	179	1,036	6,161	176	1,234	7,377
Union	348	2,620	18,535	373	2,802	22,167
Van Buren	173	940	6,311	172	926	6,316
Wapello	764	10,028	94,991	817	10,564	112,657
Warren	448	3,389	28,318	456	3,395	29,750
Washington	531	4,233	36,022	563	4,468	41,604
Wayne	182	1,115	7,429	187	1,122	7,982
Webster	1,184	14,215	127,091	1,211	14,432	147,917
Winnebago	345	6,016	54,102	361	6,717	55,284
Winneshiek	449	3,661	31,431	457	3,637	34,039
Woodbury	2,590	37,844	357,346	2,621	36,602	368,294
Worth	184	891	6,530	190	1,030	7,360
Wright	464	3,601	31,498	479	3,720	34,033
Statewide	304	475	2,748	47	135	1,817

*Revised

Source: County Business Patterns, 1977 Iowa, U.S. Department of Commerce, Bureau of Census.

total personal and per capita income[1], Iowa smsa's

	Per Capita Personal Income					Total Personal Income[1] (millions)				
	1972	1973	1974	1975	1976	1972	1973	1974	1975	1976
Cedar Rapids	$4,637	$5,290	$5,862	$6,196	$6,908	$ 769	$ 871	$ 968	$ 1,030	$ 1,153
Davenport, Rock Island, Moline	4,691	5,442	6,062	6,564	7,137	1,705	1,975	2,231	2,444	2,662
Des Moines	4,855	5,334	5,875	6,507	7,197	1,559	1,744	1,938	2,156	2,396
Dubuque	4,148	4,717	5,281	5,786	6,316	385	441	494	545	604
Omaha, Council Bluffs	4,519	4,964	5,397	5,915	6,406	2,563	2,838	3,111	3,393	3,725
Sioux City	4,277	5,061	5,326	6,003	6,438	507	600	631	716	771
Waterloo, Cedar Falls	4,228	4,838	5,452	6,105	6,644	566	650	729	802	901
All SMSA's	4,493	4,980	5,428	5,851	6,396	944,463	1,045,098	1,147,257	1,246,501	1,372,833

[1] Reflects income at place of residence.
Source: "Local Area Personal Income, 1971-1976, Volume 5," U.S. Department of Commerce.

1976 earnings by industrial source, smsa's (thousands)

	Cedar Rapids	Davenport Rock Island Moline	Des Moines	Dubuque	Omaha Council Bluffs	Sioux City	Waterloo Cedar Falls
Total labor and proprietors income by place of work							
By Type:							
Wage and Salary Disbursements	$ 804,647	$1,845,165	$1,771,997	$469,255	$2,662,354	$496,491	$677,524
Other Labor Income	72,995	157,298	152,137	42,467	211,073	45,695	61,770
Proprietors Income	59,993	156,196	155,107	40,616	258,662	68,300	45,799
Farm	6,879	42,334	15,285	8,223	20,408	10,087	4,182
Nonfarm	53,114	113,862	139,822	32,393	238,254	58,213	41,617
By Industry:							
Farm	10,385	49,088	20,725	10,202	26,894	15,171	7,655
Nonfarm	927,250	2,109,571	2,058,516	542,136	3,085,195	595,315	777,438
Private	838,679	1,789,938	1,762,850	504,126	2,518,815	532,203	699,436
Manufacturing	366,699	822,566	389,922	280,687	459,960	153,341	383,994
Mining	(D)	5,325	3,392	(D)	3,206	72	362
Contract Construction	67,254	122,627	137,819	27,764	226,558	43,329	41,564
Wholesale and Retail Trade	158,529	378,399	459,500	75,355	622,086	128,738	114,747
Finance, Insurance, and Real Estate	47,720	86,074	234,468	14,665	252,759	31,360	23,534
Transp., Comm., & Public Utilities	63,183	130,993	178,800	28,528	391,925	70,889	38,271
Services	131,288	239,408	354,032	74,949	555,634	101,866	96,043
Other Industries	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Government	88,571	319,633	295,666	38,010	566,380	63,112	78,002
Federal, Civilian	12,695	131,422	72,382	5,748	128,943	14,873	8,196
Federal, Military	1,822	6,886	4,801	1,213	151,575	1.428	1,467
State and Local	74,054	181,325	218,483	31,049	285,862	46,811	68,339
Derivation of Personal Income by Place of Residence:							
Total Labor and Proprietors Income by Place of Work	937,635	2,158,659	2,079,241	552,338	3,112,089	610,486	785,093
Less: Personal Contributions for Social Insurance by Place of Work	52,385	116,418	114,403	30,853	187,912	35,549	43,833
Net Labor and Proprietors Income by Place of Work	885,250	2,042,241	1,964,838	521,485	2,924,177	574,937	741,260
Plus: Residence Adjustment	-37,214	-79,619	-139,186	-78,901	-102,604	-25,764	-67,992
Net Labor and Proprietors Income by Place of Residence	848,036	1,962,622	1,825,652	442,584	2,821,573	549,173	673,268
Plus: Dividends, Interest, and Rent	185,675	410,383	302,390	95,385	470,533	122,939	124,114
Plus: Transfer Payments	119,379	289,050	268,194	65,574	432,537	99,095	103,156
Personal Income by Place of Residence	1,153,090	2,662,055	2,396,236	603,543	3,724,643	771,207	900,538
Per Capita Income	6,908	7,137	7,197	6,316	6,406	6,438	6,644
Total Population (thousands)	166.9	373.0	333.0	95.6	581.4	119.8	135.6

(D) Data not shown to avoid diclosure.
Source: "Local Area Personal Income, 1971-1976, Vol. 5," U.S. Department of Commerce.

Iowa government finances healthy

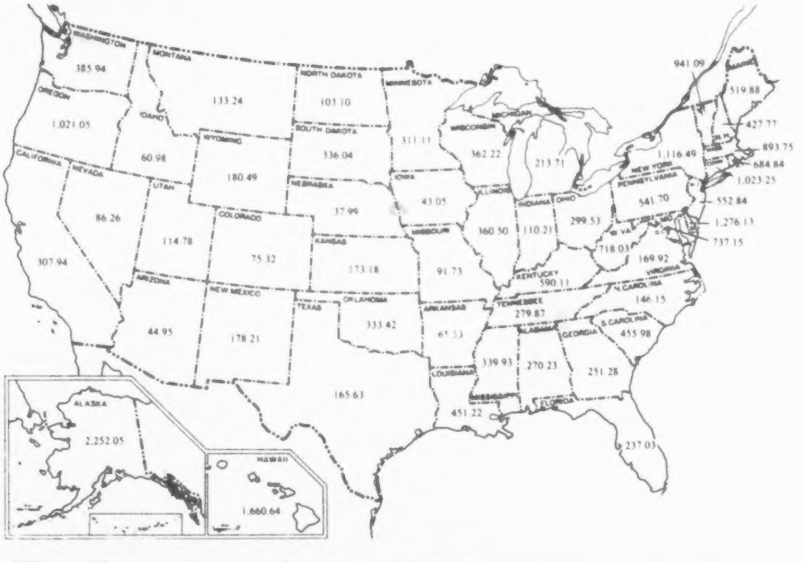
The Iowa Treasury is healthy. Iowa per capita debt is the nation's second lowest. This means that Iowa's future is not mortgaged, and more tax revenue is spent to get things done instead of paying interest.

Amounts spent by Iowa's state and local government establishes the median (half above and half below) for the nation, with greater emphasis on education and highways than found in most other states.

Iowa exempts from its 3 percent sales and use tax food and drugs, thus, reducing the "family" impact of this tax; and it is phasing out its county personal property taxes, another example of lessening the tax bite on "families."

"Fiscal stability" is the term often used to describe Iowa's finances. When Iowa does borrow, it qualifies for low interest rates because of its low indebtedness and its "fiscal stability."

here's Iowa's low per capita debt ranking, 1977


WASHINGTON
385.94
OREGON
1,021.05
CALIFORNIA
307.94
NEVADA
86.26
IDAHO
60.98
MONTANA
133.24
WYOMING
180.49
UTAH
114.78
ARIZONA
44.95
COLORADO
75.32
NEW MEXICO
178.21
NORTH DAKOTA
103.10
SOUTH DAKOTA
336.04
NEBRASKA
37.99
KANSAS
173.18
OKLAHOMA
333.42
TEXAS
165.63
MINNESOTA
311.11
IOWA
43.05
MISSOURI
91.73
ARKANSAS
65.53
LOUISIANA
451.22
WISCONSIN
362.22
ILLINOIS
360.50
MICHIGAN
213.71
INDIANA
110.21
OHIO
299.53
KENTUCKY
590.11
TENNESSEE
279.87
MISSISSIPPI
339.93
ALABAMA
270.23
GEORGIA
251.28
FLORIDA
237.03
S CAROLINA
455.98
N CAROLINA
146.15
VIRGINIA
169.92
W VA
718.03
PENNSYLVANIA
541.70
NEW YORK
1,116.49
941.09
519.88
427.77
N.H.
893.75
CONN
684.84
1,023.25
552.84
MD
1,276.13
737.15
ALASKA
2,252.05
HAWAII
1,660.64

Source: State Government Finances in 1977, issued September 1978, by the U.S. Department of Commerce.

Iowa low spender on welfare, police, fire

	1976-77			
	Per Capita		Per $1,000 Personal Income	
	U.S.	Iowa	U.S.	Iowa
Total General Expenditures	$1,261.96	$1,235.24	$198.76	$198.42
Education	475.22	520.91	74.85	83.67
Highways	106.80	180.80	16.82	29.04
Public Welfare	159.77	125.56	25.16	20.17
Health & Hospital	104.20	102.40	16.41	16.45
Police Protection	47.98	32.50	N/A	N/A
Fire Protection	19.85	11.25	N/A	N/A
Sewerage	30.22	32.97	N/A	N/A
Sanitation	10.80	6.71	N/A	N/A
Local Parks & Recreation	17.89	14.94	N/A	N/A
Financial Administration	20.49	22.80	N/A	N/A
General Control	28.56	27.56	N/A	N/A
Interest on Debt	52.67	18.86	N/A	N/A
All Other	187.11	137.97	N/A	N/A

Source: Governmental Finances in 1976-77, U.S. Department of Commerce.

relation of selected government finances to personal income: 1978

	General Revenue Per $1,000 Personal Income						General Expenditures Per $1,000 Personal Income					
			Taxes					Education				
	Total	Revenue from Federal Government	Total[1]	General Sales or Gross Receipts[2]	Individual Income	Charges and Miscellaneous	Total	Total[1]	Inter-Governmental[2]	State Institutions of Higher Education	Public Welfare	Highways
U.S. Average	124.18	33.58	73.90	22.59	18.64	14.70	121.35	46.82	27.03	15.47	23.96	12.79
Median State	134.77	36.81	76.00	24.17	18.01	16.71	131.74	50.98	27.36	19.56	18.78	16.03
Illinois	98.98	25.17	64.48	22.33	17.13	8.66	103.36	37.62	23.96	10.67	25.61	13.73
Indiana	104.19	23.07	65.56	31.69	14.53	15.28	96.59	42.64	20.73	19.11	11.84	13.42
IOWA	120.21	31.17	72.11	19.35	24.96	14.85	127.95	56.01	33.00	19.53	18.42	22.70
Kansas	107.33	28.40	64.84	21.86	14.00	13.34	106.46	45.25	23.90	19.48	19.54	15.81
Minnesota	157.77	37.21	101.39	19.04	39.03	17.56	155.88	71.30	44.45	23.17	25.37	15.61
Missouri	92.40	27.69	56.09	20.93	13.67	8.50	86.57	36.02	21.12	12.86	15.40	13.95
Nebraska	110.49	28.93	64.86	21.03	18.05	14.35	105.67	35.04	12.57	19.81	14.03	20.66
Ohio	88.44	24.17	52.10	16.57	8.97	11.51	93.52	37.18	22.01	13.13	15.95	11.50
South Dakota	140.37	52.73	56.98	28.77	—	29.06	143.77	44.13	14.91	25.97	19.27	27.04
Wisconsin	149.96	36.10	96.96	23.69	40.58	15.79	145.01	51.01	25.53	21.88	30.98	11.48

[1] Includes amounts for categories not shown separately.
[2] Medians are based on those States having the specified items.
Source: "State Government Finances," U.S. Department of Commerce, Bureau of the Census.

taxable value and average tax levies for each class of property, 1978

Payable 1978-79	Cities		Rural Districts		Totals	
Class of Property	Average Total Tax Levies	Average Amount of Tax on $1,000 Valuation[1]	Average Total Tax Levies	Average Amount of Tax on $1,000 Valuation[1]	Average Total Tax Levies	Average Amount of Tax on $1,000 Valuation[1]
Ag Land and Buildings	$ 7,280,763.62	20.10328	$352,580,450.45	19.21021	$359,861,214.07	19.22749
Residential Lots and Buildings	377,136,379.74	30.03873	30,804,160.42	19.21021	407,940,540.16	28.81234
Mercantile Lots and Buildings	131,443,026.54	30.03873	6,993,726.06	19.21021	138,436,812.60	29.20700
Industrial and Manufacturing Plants, Real Estate, Including Machinery	57,638,471.04	30.03873	9,365,870.25	19.21021	67,004,341.29	27.84478
Misc. Real Estate	186,986.47	30.03873	93,998.47	19.21021	280,984.94	25.27298
Total Real Property	$573,685,627.41	29.85149	$399,838,265.65	19.21021	$973,523,893.06	24.31875
Industrial and Manufacturing Plants, Personal Property	$ 14,446,379.16	30.03873	$ 2,078,025.66	19.21021	$ 16,524,404.82	28.05035
Other Personal Property	29,311,330.33	30.03873	22,708,404.16	19.21021	52,019,734.49	24.10681
Total Personal Property	$ 43,757,709.49	30.03873	$ 24,786,429.82	19.21021	$ 68,544,139.31	24.95251
Total Real and Personal Property	$617,443,336.90	29.86469	$424,624,695.47	19.21021	$1,042,068,032.37	24.35944

[1] Tax rates are shown as amounts of tax per $1,000 of assessed valuation.

Source: Iowa Department of Revenue, Property Tax Division; compiled from reports of county auditors.

state gasoline, sales and cigarette tax rates July 1, 1979 (midwest)

	Sales Tax Rate	Gasoline Tax Per Gallon	Cigarette Tax Per Package
Illinois	4.0%	7.5¢	12.0¢
Indiana	4.0%	8.0¢	10.5¢
IOWA	3.0%	10.0¢	13.0¢
Kansas	3.0%	8.0¢	11.0¢
Minnesota	4.0%	9.0¢	18.0¢
Missouri	3.125%	7.0¢	9.0¢
Nebraska	3.0%	10.5¢	13.0¢
Ohio	4.0%	7.0¢	15.0¢
South Dakota	4.0%	9.0¢	14.0¢
Wisconsin	4.0%	7.0¢	16.0¢

Source: State Tax Review, Commerce Clearning House, Inc.

federal outlays in Iowa, fiscal 1978
(thousands)

Department of Defense-Military	$ 477,434
Foreign Economic and Financial Assistance	682
Conduct of Foreign Affairs	14
Foreign Information and Exchange Activities	43
General Science and Basic Research	4,419
Space Flight	98
Space Science, Applications and Technology	3,324
Supporting Space Activities	25
Natural Resources, Environment and Energy	1,105
Water Resource and Power	9,882
Conservation and Land Management	17,632
Recreational Resources	7,479
Pollution Control and Abatement	33,389
Energy	17,548
Other Natural Resources	2,373
Farm Income Stabilization	790,759
Agricultural Research and Services	35,129
Mortgage Credit and Thrift Insurance	868
Postal Service	196,237
Other Advancement and Regulation of Commerce	6,939
Ground Transportation	150,236
Air Transportation	13,594
Water Transportation	3,277
Other Transportation	13
Community Development	50,187
Area and Regional Development	7,362
Disaster Relief and Insurance	342,738
Education, Training, Employment, Social Services	23,073
Elementary, Secondary, & Vocational Education	44,450
Higher Education	34,185
Research and General Education Aids	6,952
Training and Employment	79,372
Other Labor Services	737
Social Services	38,589
Health	16,808
Health Care Services	399,260
Health Research and Education	15,356
Prevention and Control of Health Problems	2,326
Health Planning and Construction	13,523
Income Security	4,157
General Retirement and Disability Insurance	1,388,698
Federal Employee Retirement and Disability	86,156
Unemployment Insurance	14,983
Public Assistance & Other Income Supplements	166,152
Income Security for Veterans	119,753
Veterans Education, Training and Rehabilitation	33,300
Hospital and Medical Care for Veterans	84,531
Veterans Housing	251
Other Veterans Benefits and Services	3,631
Federal Law Enforcement and Prosecution	1,883
Federal Judicial Activities	11
Federal Correctional & Rehabilitation Activities	88
Law Enforcement Assistance	7,082
Central Fiscal Operations	12,544
General Property and Records Management	8,794
Central Personnel Management	88
Other General Government	723
General Revenue Sharing	80,681
Other General Purpose Fiscal Assistance	1,001
Other Interest	4,371
Totals	$4,866,295

Source: "Report on Federal Funds Received in Iowa — Fiscal Year 1978," Office for Planning and Programming.

states share in federal aid, fiscal 1978

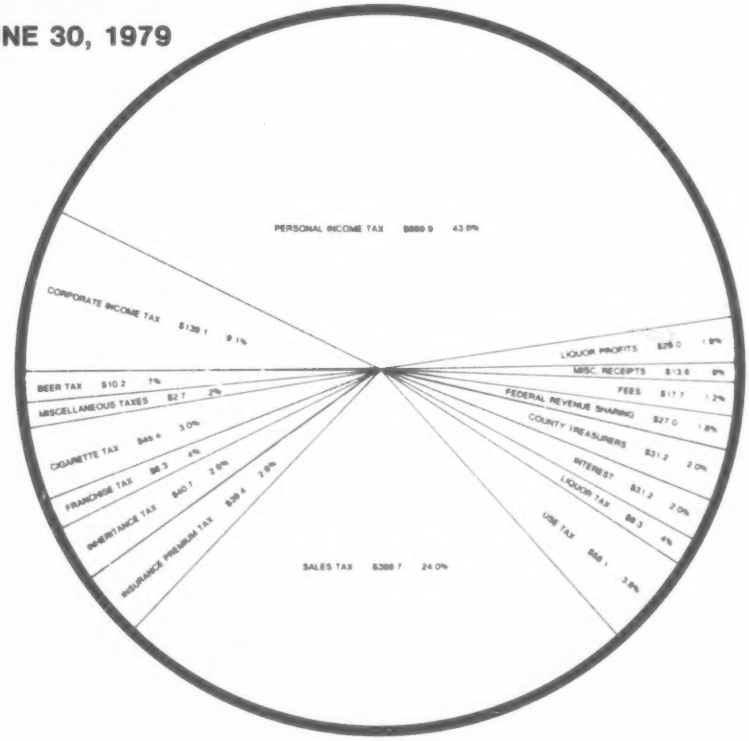
(Amounts per person)

Alabama	$ 332
Alaska	1,012
Arizona	324
Arkansas	356
California	359
Colorado	309
Connecticut	340
Delaware	386
D.C.	1,639
Florida	275
Georgia	401
Hawaii	460
Idaho	383
Illinois	$ 308
Indiana	234
IOWA	275
Kansas	262
Kentucky	324
Louisiana	342
Maine	431
Maryland	318
Massachusetts	447
Michigan	357
Minnesota	337
Mississippi	381
Missouri	263
Montana	$ 506
Nebraska	293
Nevada	408
New Hampshire	332
New Jersey	348
New Mexico	502
New York	472
North Carolina	297
North Dakota	397
Ohio	270
Oklahoma	325
Oregon	440
Pennsylvania	333
Rhode Island	$ 415
South Carolina	309
South Dakota	417
Tennessee	305
Texas	253
Utah	332
Vermont	495
Virginia	285
Washington	347
West Virginia	381
Wisconsin	343
Wyoming	557
U.S.	345

Source: "Statistical Abstract of the U.S.," U.S. Department of Commerce, Bureau of the Census.

general fund receipts (dollars in millions)

FISCAL YEAR ENDING JUNE 30, 1979



Twelve Months Actual Through June

	1978	1979
SPECIAL TAXES		
Personal Income Tax	$ 565.1	$ 669.9
Sales Tax	327.7	368.7
Corporate Income Tax	115.4	139.1
Use Tax	53.6	58.1
Cigarette Tax	46.2	45.4
Inheritance Tax	36.8	40.7
Insurance Premium Tax	35.8	39.4
Beer Tax	9.5	10.2
Franchise Tax	5.0	6.3
Liquor Tax	6.2	6.3
Miscellaneous Tax	1.1	2.7
TOTAL SPECIAL TAXES	$1,202.4	$1,386.8
FEDERAL REVENUE SHARING	27.3	27.0
COUNTY TREASURERS	30.6	31.2
LIQUOR PROFITS	28.0	29.0
INTEREST	21.4	31.2
FEES	16.9	17.7
MISC. RECEIPTS	14.3	13.6
TOTAL RECEIPTS	$1,340.9	$1,536.5

Source: Office of the State Comptroller.

Iowa tax revenues, by type of tax (dollars in thousands)

Tax Source	1960	1965	1970	1974	1975	1976	1977	1978 (prelim.)
Sales and Gross Receipts	$163,646	$191,677	$379,557	$466,171	$484,146	$565,448	$572,115	$611,158
General sales or gross receipts—sales and use	80,680	92,741	223,464	268,339	283,758	351,872	346,785	376,212
Selective sales and gross receipts	82,966	98,936	156,093	197,832	200,388	269,603	297,178	234,946
Motor Fuels	60,359	65,693	100,831	119,869	118,923	126,893	133,108	136,131
Refunds	-14,370	-13,889	-15,500	-13,314	-11,618	-10,477	-8,996	-6,862
Gross collections	74,730	79,581	116,331	133,183	130,541	137,370	142,104	143,023
Alcoholic beverages	3,235	7,359	9,048	12,650	13,300	14,321	14,748	15,688
Beer	3,235	3,420	5,796	8,120	8,516	8,840	9,160	9,498
Tax (10% prior to 1967, 15% from 1967)	—	3,939	3,252	4,530	4,784	5,481	5,588	6,190
Tobacco products—cigarettes	11,489	15,209	29,824	43,407	44,293	45,342	46,277	47,003
Insurance—gross premiums	7,497	10,275	15,704	21,573	23,592	26,780	30,910	35,836
Other—butterfat	386	400	686	333	280	240	287	288
License	50,728	62,070	90,040	115,279	124,243	137,663	145,219	151,949
Motor vehicles	43,631	54,297	75,106	94,739	99,767	108,592	116,017	121,369
General	43,423	54,119	74,851	94,544	99,589	108,430	115,855	121,209
Truckers	146	178	255	195	178	162	162	160
Motor vehicle operation	2,679	2,879	5,622	5,617	6,341	6,660	5,759	6,653
Corporations in general—						5,136	5,327	6,491
filing and qualifications	286	319	602	815	1,002	1,151	1,260	1,469
Public utilities	28	27	34	34	34	59	73	70
Alcoholic beverages	65	36	2,373	3,733	4,700	4,354	4,492	4,566
Occupations and businesses, not elsewhere classified	2,191	2,398	3,305	5,406	6,350	7,527	7,598	7,778
Animal health and veterinarian fees	317	686	758	1,620	2,110	1,784	1,821	1,462
Bank examinations	465	559	1,070	1,430	1,605	1,994	1,958	2,180
Insurance Commission	352	322	526	672	813	509	539	1,103
Other	1,057	831	951	1,684	1,822	1,724	1,676	1,406
Hunting and fishing	1,517	1,970	2,593	4,406	4,676	4,636	4,431	4,134
Other	331	144	405	529	1,373	699	1,522	888
Boat and aircraft registration	—	135	389	513	1,359	683	1,505	863
Tax permits	13	9	16	16	14	16	18	25
Individual income	36,671	57,554	112,746	320,594	358,899	388,212	447,409	490,210
Corporation Net Income	3,807	5,887	24,273	59,416	63,612	77,831	91,894	108,961
Property	3,641	4,078	4,063	113	115	117	125	[illegible]2
Death and Gift inheritance and estate	7,294	10,020	16,767	25,121	29,460	28,270	33,068	36,808
Documentary and Stock Transfer	—	—	881	1,464	1,485	1,958	2,685	3,013

Source: State Tax Collections in 1960-1978, U.S. Department of Commerce, Bureau of Census.

county taxes levied in 1978 — payable in 1978-79 Iowa

	Total Amount of Tax Levied[2]	Average Rate[1] City and Town	Rural	State Average Rate
School	$ 624,987,546.02	14.62120	12.18577	13.33859
City	228,241,682.12	10.29077	-0-	4.87117
Road	68,801,943.28	.14532	2.65756	1.46838
County	207,297,703.15	4.81558	4.07239	4.42418
Township	7,347,043.30	.00361	.29449	.15680
Grand Total	$1,136,675,917.87	29.87649	19.21021	24.25913

[1] Tax rates are shown as amounts of tax per $1,000 of assessed valuation.
[2] Excludes moneys and credits.
Source: Iowa Department of Revenue, Property Tax Division (compiled from reports of county auditors).

average tax rates and total tax, Iowa counties

	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities[1]			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
Counties	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Adair	$ 224,713,803	$ 40,491,431	$ 184,222,372	$18.50	$23.41	$17.42	$0	$ 4,156,545	$ 948,046	$ 3,208,500
Adams	146,903,717	19,585,138	127,318,579	19.10	24.53	18.27	0	2,806,178	480,333	2,325,845
Allamakee	290,267,892	61,501,352	228,766,540	19.10	24.20	17.73	0	5,544,226	1,488,270	4,055,956
Appanoose	188,816,207	71,906,551	116,909,656	24.80	29.61	21.84	0	4,683,216	2,129,403	2,553,813
Audubon	197,442,904	36,068,447	161,374,457	19.95	26.23	18.55	0	3,939,107	946,200	2,992,907
Benton	459,743,196	115,866,901	343,876,295	20.71	25.80	19.00	0	9,523,236	2,989,149	6,534,087
Black Hawk	1,589,105,752	1,330,459,355	258,646,397	30.85	32.41	22.86	0	49,026,892	43,114,456	5,912,436
Boone	492,857,404	147,668,849	345,188,555	20.00	27.89	16.63	0	9,857,935	4,118,506	5,739,429
Bremer	343,839,355	133,690,125	210,149,230	22.26	25.85	19.97	0	7,652,790	3,456,260	4,196,530
Buchanan	333,542,134	90,890,726	242,651,408	21.85	27.30	19.80	0	7,287,219	2,481,511	4,805,709
Buena Vista	445,217,197	136,646,486	308,570,711	19.93	26.82	16.87	0	8,871,007	3,664,235	5,206,772
Butler	308,071,430	77,382,551	230,688,879	20.01	24.37	18.54	0	6,162,984	1,886,025	4,276,959
Calhoun	366,094,187	79,628,281	286,465,906	18.54	24.45	16.89	0	6,786,237	1,947,295	4,838,942
Carroll	416,571,962	155,627,695	260,944,267	20.22	24.30	17.79	0	8,424,177	3,781,797	4,642,381
Cass	276,800,025	94,668,029	182,131,996	23.13	27.35	20.94	0	6,403,531	2,589,238	3,814,293
Cedar	335,337,909	86,219,008	249,118,901	20.64	24.79	19.21	0	6,921,915	2,137,056	4,784,859
Cerro Gordo	768,776,046	463,717,120	305,058,926	25.46	29.60	19.15	0	19,568,965	13,726,543	5,842,422
Cherokee	373,529,083	98,454,296	275,074,787	19.27	25.71	16.96	0	7,197,044	2,531,228	4,665,816
Chickasaw	252,358,547	75,442,870	176,915,677	21.14	25.37	19.33	0	5,333,959	1,914,051	3,419,908
Clarke	148,106,133	43,850,179	104,255,954	22.53	27.79	20.32	0	3,336,698	1,218,500	2,118,197
Clay	437,539,988	152,676,617	284,863,371[8]	19.53	24.72	16.75	0	8,544,329	3,774,065	4,770,264
Clayton	286,997,402	75,835,972	211,161,430	25.70	30.75	23.88	0	7,374,356	2,331,875	5,042,480
Clinton	931,290,007	615,263,111	316,026,896	24.27	26.27	20.39	0	22,604,341	16,160,843	6,443,498
Crawford	371,718,030	94,077,183	277,640,847	20.32	26.19	18.33	0	7,552,244	2,464,338	5,087,906
Dallas	531,535,608	164,223,856	367,311,752	21.79	26.72	19.58	0	11,580,432	4,387,676	7,192,757
Davis	137,169,439	26,985,091	110,184,348	21.27	27.66	19.70	0	2,917,503	746,504	2,170,999
Decatur	140,689,533	29,956,254	110,733,279	20.97	26.31	19.53	0	2,950,910	788,285	2,162,625
Delaware	305,283,506	80,925,916	224,357,590	21.67	25.11	20.42	0	6,613,856	2,032,221	4,581,635
Des Moines	597,623,632	363,988,601	233,635,031	28.61	32.70	22.24	0	17,097,816	11,901,035	5,196,781
Dickinson	379,017,469	164,959,707	214,057,762	18.56	21.27	16.46	0	7,032,814	3,509,340	3,523,474
Dubuque	981,616,707	678,369,708	303,246,999	30.54	32.79	25.51	0	29,978,025	22,241,062	7,736,963
Emmet	277,886,053	91,632,862	186,253,191	21.98	28.61	18.73	0	6,109,264	2,621,377	3,487,887
Fayette	467,191,586	151,667,383	315,524,203	20.03	24.04	18.10	0	9,357,783	3,646,695	5,711,088

average tax rates and total tax, Iowa counties (continued)

	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities[1]			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
Counties	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Floyd	$ 364,401,957	$ 138,855,384	$ 225,546,573	$22.20	$26.50	$19.54	$0	$ 8,088,459	$ 3,680,211	$ 4,408,249
Franklin	402,652,522	82,404,455	320,248,067	18.07	23.40	16.70	0	7,276,927	1,928,187	5,348,740
Fremont	262,815,425	31,835,941	230,979,484	18.17	24.16	17.35	0	4,776,412	769,229	4,007,183
Greene	360,620,775	78,051,922	282,568,853	19.08	24.60	17.56	0	6,880,943	1,919,890	4,961,053
Grundy	401,066,371	109,088,861	291,977,510	18.21	21.62	16.93	0	7,302,511	2,358,494	4,944,017
Guthrie	254,729,975	44,347,333	210,382,642	21.29	26.40	20.21	0	5,422,650	1,170,592	4,252,057
Hamilton	448,312,620	127,897,990	320,414,630	20.09	25.74	17.83	0	9,005,381	3,292,730	5,712,651
Hancock	419,097,880	105,304,641	313,793,239	18.51	24.42	16.56	0	7,756,739	2,571,219	5,185,520
Hardin	474,762,232	137,477,157	336,785,075	19.31	26.03	16.57	0	9,159,643	3,579,050	5,580,592
Harrison	372,905,114	76,233,656	296,671,458	18.45	23.23	17.23	0	6,880,845	1,770,590	5,110,255
Henry	298,185,601	94,455,515	203,730,286	22.26	25.57	20.72	0	6,636,326	2,414,766	4,221,560
Howard	191,344,652	47,966,421	143,378,231	24.16	31.67	21.64	0	4,622,537	1,519,321	3,103,216
Humboldt	344,621,674	87,466,395	257,155,279	18.27	24.34	16.21	0	6,297,337	2,128,869	4,168,469
Ida	228,215,375	52,386,478	175,828,897	18.64	22.59	17.46	0	4,253,935	1,183,446	3,070,489
Iowa	361,384,406	77,204,479	284,179,927	19.39	21.49	18.82	0	7,008,528	1,658,856	5,349,673
Jackson	289,767,490	107,228,318	182,539,172	25.10	27.36	23.77	0	7,272,175	2,933,955	4,338,220
Jasper	594,508,711	269,375,068	325,133,643	23.69	28.12	20.02	0	14,082,468	7,574,703	6,507,765
Jefferson	235,928,322	85,591,015	150,337,307	23.87	26.71	22.24	0	5,630,551	2,286,357	3,344,194
Johnson	951,218,687	631,009,920	320,208,767	29.52	31.99	24.65	0	28,079,972	20,186,295	7,893,677
Jones	312,528,675	81,096,920	231,431,755	21.56	26.04	19.99	0	6,737,472	2,111,739	4,625,733
Keokuk	282,969,725	49,079,699	233,890,026	18.43	23.11	17.45	0	5,215,482	1,134,321	4,081,161
Kossuth	612,955,364	103,380,264	509,575,100	16.46	22.20	15.30	0	10,091,562	2,295,280	7,796,282
Lee	617,164,947	352,527,013	264,637,934	26.54	29.79	22.20	0	16,376,872	10,500,892	5,875,980
Linn	2,427,888,390	1,926,588,720	501,299,670	30.25	32.04	23.34	0	73,433,391	61,731,790	11,701,601
Louisa	245,258,259	40,464,234	204,794,025	20.81	26.18	19.74	0	5,102,780	1,059,306	4,043,474
Lucas	141,019,247	51,882,603	89,136,644	26.46	30.80	23.94	0	3,731,699	1,598,194	2,133,504
Lyon	292,379,264	58,690,171	233,689,093	15.57	20.88	14.23	0	4,551,295	1,225,538	3,325,757
Madison	242,063,012	51,369,988	190,693,024	22.06	25.49	21.13	0	5,339,234	1,309,590	4,029,645
Mahaska	337,065,815	114,964,912	222,100,903	22.14	26.99	19.63	0	7,461,794	3,102,582	4,359,212
Marion	356,525,023	164,956,174	191,568,849	23.73	25.38	22.31	0	8,459,244	4,186,162	4,273,082
Marshall	695,345,998	388,408,875	306,937,123	25.87	27.30	19.53	0	16,597,291	10,603,055	5,994,236
Mills	292,531,137	58,526,737	234,004,400	19.18	24.23	17.92	0	5,610,845	1,418,158	4,192,687
Mitchell	235,290,853	52,329,643	182,961,210	20.76	26.92	18.99	0	4,883,584	1,408,624	3,474,960

average tax rates and total tax, Iowa counties (continued)

Counties	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities[1]			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Monona	$ 294,351,676	$ 58,321,392	$ 236,030,284	$18.12	$20.50	$17.53	$0	$ 5,332,631	$ 1,195,748	$ 4,136,883
Monroe	124,970,620	29,631,785	95,338,835	26.14	31.87	24.36	0	3,266,977	944,446	2,322,531
Montgomery	237,861,750	83,166,580	154,695,170	21.90	26.19	19.59	0	5,209,115	2,178,027	3,031,088
Muscatine	622,620,172	348,688,679	273,931,493	25.46	29.18	20.72	0	15,850,335	10,175,466	5,674,869
O'Brien	387,764,832	101,056,361	286,708,471	17.24	22.32	15.46	0	6,686,917	2,255,582	4,431,335
Osceola	231,225,467	40,792,606	190,432,861	17.40	22.95	16.22	0	4,024,450	936,331	3,088,119
Page	306,165,090	129,547,517	176,617,573	22.79	26.91	19.78	0	6,978,959	3,485,527	3,493,432
Palo Alto	329,174,154	61,903,653	267,270,501	17.63	24.81	15.97	0	5,804,598	1,536,102	4,268,496
Plymouth	512,265,043	142,735,874	369,529,169	18.51	23.01	16.77	0	9,481,090	3,283,793	6,197,297
Pocahontas	359,406,239	57,930,701	301,485,538	17.43	24.03	16.16	0	6,264,054	1,192,229	4,871,825
Polk	3,885,[illegible],431	3,408,603,405	477,066,026	33.[illegible]8	34.30	28.46	0	130,486,450	116,909,287	13,577,163
Pottawattamie	1,068,467,660	606,880,459	461,587,201	29.35	36.30	20.22	0	31,363,793	22,032,603	9,331,190
Poweshiek	361,114,524	117,118,944	243,995,580	21.41	25.44	19.47	0	7,730,536	2,979,079	4,751,457
Ringgold	135,804,346	21,476,309	114,328,037	21.52	25.94	20.68	0	2,921,887	557,147	2,364,739
Sac	352,399,417	73,273,438	279,125,979	16.83	22.85	15.24	0	5,929,837	1,674,573	4,255,264
Scott	2,148,602,627	1,883,524,104	265,078,523	28.37	29.18	22.68	0	60,966,169	54,955,507	6,010,662
Shelby	310,422,518	70,759,525	239,662,993	21.66	27.01	20.09	0	6,725,141	1,910,912	4,814,229
Sioux	553,127,569	168,399,729	384,727,840	18.57	23.78	16.29	0	10,269,923	4,004,055	6,265,868
Story	844,428,624	508,457,083	335,971,541	24.30	27.76	19.05	0	20,516,758	14,115,176	6,401,582
Tama	401,155,654	101,767,315	299,388,339	20.19	25.50	18.36	0	8,097,940	2,601,419	5,496,522
Taylor	152,560,979	29,344,133	123,216,846	21.57	26.59	20.38	0	3,291,470	780,222	2,511,248
Union	195,444,414	74,436,642	121,007,772	26.58	32.38	23.01	0	5,195,070	2,410,303	2,784,767
Van Buren	131,151,252	23,825,607	107,325,645	21.85	24.64	21.24	0	2,866,145	586,962	2,279,184
Wapello	361,410,509	218,110,167	143,300,342	34.37	40.18	25.53	0	12,421,489	8,763,657	3,657,832
Warren	416,671,066	151,183,519	265,487,547	26.00	29.60	23.95	0	10,832,788	4,475,015	6,357,773
Washington	361,265,790	102,898,583	258,367,207	22.00	26.81	20.09	0	7,947,630	2,758,252	5,189,378
Wayne	156,605,082	29,953,248	126,651,834	18.69	23.06	17.66	0	2,927,594	690,706	2,236,888
Webster	847,957,008	394,334,991	453,652,017	21.85	26.03	18.22	0	18.528,525	10,264,904	8,263,622
Winnebago	269,532,689	88,201,533	181,331,156	19.58	24.50	17.18	0	5,276,707	2,160,843	3,115,864
Winneshiek	286,262,839	89,954,142	196,308,697	24.55	29.68	22.20	0	7,027,103	2,669,777	4,357,326
Woodbury	1,396,171,610	880,260,277	515,911,333	29.28	35.73	18.27	0	40,877,326	31,451,218	9,426,108
Worth	224,063,103	40,564,149	183,498,954	19.15	24.14	18.05	0	4,290,816	979,160	3,311,656
Wright	438,777,493	113,380,835	325,396,658	18.37	24.33	16.29	0	8,061,277	2,758,996	5,302,281
TOTAL	$46,855,590,588	$22,179,257,638	$24,676,332,950	$24.26	$29.88	$19.21	$0	$1,136,675,918	$662,638,427	$474,037,491

[1] Figures may not add to totals due to rounding.

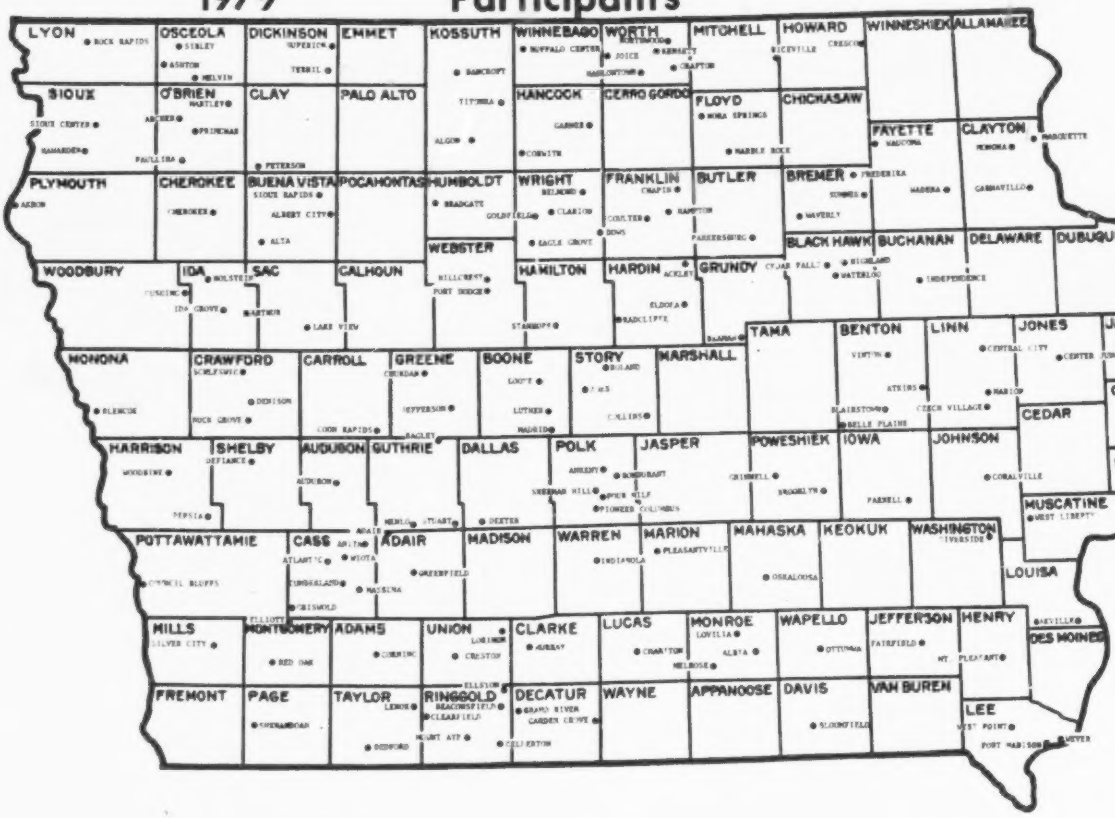
Source: Iowa Department of Revenue, Property Tax Division.

Community Betterment

One of the most positive programs that Iowa has to offer is ten years old this year. The Iowa Community Betterment Program has mushroomed into a viable tool that is reshaping Iowa for the future. This model program of "self-help" touches the lives of thousands of Iowans every year. Volunteers in Iowa cities are urged to sit down, talk over concerns, and develop goals and objectives for addressing those issues.

This program is the largest of its kind in the country and there are cash awards for local success stories. However, the greatest rewards are for those communities where volunteers pitch-in, roll up their sleeves and work alongside the local government to accomplish worthwhile community projects.

1979 Participants


LYON
ROCK RAPIDS
OSCEOLA
SIBLEY
ASHTON
MELVIN
DICKINSON
SUPERIOR
TERRIL
EMMET
KOSSUTH
BANCROFT
TITONKA
ALGONA
WINNEBAGO
BUFFALO CENTER
WORTH
NORTHWOOD
JOICE
KENSETT
GRAFTON
MANLY
MITCHELL
HOWARD
RICEVILLE
CRESCO
WINNESHIEK
ALLAMAKEE
SIOUX
SIOUX CENTER
HAWARDEN
O'BRIEN
HARTLEY
ARCHER
PRIMGHAR
PAULLINA
CLAY
PETERSON
PALO ALTO
HANCOCK
GARNER
CORWITH
CERRO GORDO
FLOYD
NORA SPRINGS
MARBLE ROCK
CHICKASAW
FAYETTE
WAUCOMA
CLAYTON
MONONA
MARQUETTE
PLYMOUTH
AKRON
CHEROKEE
CHEROKEE
BUENA VISTA
SIOUX RAPIDS
ALBERT CITY
ALTA
POCAHONTAS
HUMBOLDT
BRADGATE
GOLDFIELD
WRIGHT
BELMOND
CLARION
EAGLE GROVE
FRANKLIN
CHAPIN
COULTER
HAMPTON
DOWS
BUTLER
PARKERSBURG
BREMER
FREDERIKA
SUMNER
WAVERLY
MADEIRA
GARNAVILLO
WEBSTER
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
WOODBURY
IDA
HOLSTEIN
CUSHING
IDA GROVE
SAC
ARTHUR
LAKE VIEW
CALHOUN
HILLCREST
FORT DODGE
HAMILTON
STANHOPE
HARDIN
ACKLEY
ELDORA
RADCLIFFE
GRUNDY
CEDAR FALLS
HIGHLAND
WATERLOO
INDEPENDENCE
MONONA
BLENCOE
CRAWFORD
SCHLESWIG
DENISON
BUCK GROVE
CARROLL
COON RAPIDS
GREENE
CHURDAN
JEFFERSON
BAGLEY
BOONE
LUTHER
MADRID
STORY
ROLAND
AMES
COLLINS
MARSHALL
TAMA
BENTON
VINTON
ATKINS
BLAIRSTOWN
BELLE PLAINE
LINN
CENTRAL CITY
MARION
CZECH VILLAGE
JONES
CENTER JUNCTION
JACKSON
CLINTON
LOW MOOR
CEDAR
HARRISON
WOODBINE
PERSIA
SHELBY
DEFIANCE
AUDUBON
AUDUBON
GUTHRIE
MENLO
STUART
DALLAS
DEXTER
POLK
ANKENY
BONDURANT
SHERMAN HILL
PIONEER COLUMBUS
JASPER
POWESHIEK
GRINNELL
BROOKLYN
IOWA
PARNELL
JOHNSON
CORALVILLE
SCOTT
LONG GROVE
MUSCATINE
WEST LIBERTY
POTTAWATTAMIE
COUNCIL BLUFFS
CASS
ANITA
ATLANTIC
WIOTA
CUMBERLAND
MASSENA
GRISWOLD
ADAIR
ADAIR
GREENFIELD
MADISON
WARREN
INDIANOLA
MARION
PLEASANTVILLE
MAHASKA
OSKALOOSA
KEOKUK
WASHINGTON
RIVERSIDE
LOUISA
MILLS
SILVER CITY
ELLIOTT
MONTGOMERY
RED OAK
ADAMS
CORNING
UNION
LORIMOR
CRESTON
CLARKE
MURRAY
LUCAS
CHARITON
MONROE
LOVILIA
ALBIA
MELROSE
WAPELLO
OTTUMWA
JEFFERSON
FAIRFIELD
HENRY
MT. PLEASANT
DANVILLE
DES MOINES
FREMONT
PAGE
SHENANDOAH
TAYLOR
LENOX
BEDFORD
RINGGOLD
ELLSTON
BEACONSFIELD
CLEARFIELD
MOUNT AYR
DECATUR
GRAND RIVER
GARDEN GROVE
WELDON
WAYNE
APPANOOSE
DAVIS
BLOOMFIELD
VAN BUREN
LEE
WEST POINT
FORT MADISON
WEVER

1979 outstanding achievement and youth involvement winners

Population Category I — 254 and under

1. **Melrose** — developed a ball diamond and horse arena; expanded community library and summer reading program.
2. **Superior** — built a playground and ball diamond with bleachers and scoreboard, purchased a used van and three radios for fire department.
3. **Hanlontown** — completed community center, conducted community survey, recreation program.
4. **Grafton** — Continued park development, continued local development corporation.
5. **Archer** — Shelterhouse depot, library, community park.

Honorable Mention — Grand River — ball diamond, tennis court, senior citizen meals.
Honorable Mention — Beaconsfield — enlarged the community library, remodeled library cloak room, demolished three old vacant houses.
Youth Involvement — Ellston — converted Legion building into a youth center.

Population Category II — 255-425

1. **Lorimor** — Children's summer activities, emergency vehicle service, Christmas festival.
2. **Low Moor** — continued restoration of barber shop, new community center.
3. **Defiance** — Christmas lights, bloodmobile, shelterhouse.
4. **Collins** — new fire house, senior citizen housing project.
5. **Elliott** — Centennial celebration, new library, community hall.

Honorable Mention — Bagley — park complex, playground and tennis courts.
Youth Involvement — Bagley — playground and tennis courts.
Honorable Mention — Youth Involvement — Arthur — tennis court, town signs, community building and library.

Population Category III — 426-755

1. **Ashton** — community building, town and country day, benefit auction.
2. **Stanhope** — senior citizen program, tennis courts, art festival.
3. **Murray** — new sewer system, multi-purpose recreational court, continued insulation of community center.
4. **Blairstown** — re-settling Vietnamese family, survey, remodeled city hall.
5. **Goldfield** — park restrooms, town clean-up Day, disaster warning teams.

Honorable Mention — Clearfield — beautification, new businesses, recreation projects.
Youth Involvement — Murray — see number three above.
Honorable Mention — Youth Involvement — Massena — city park, community celebration, city hall.

Population Category IV — 756-1,345

1. **Riceville** — Band fund drive, library, community outreach.
2. **Griswold** — centennial celebration.
3. **Schleswig** — swimming pool renovation, retirement apartments, business district renovation.
4. **Roland** — museum, expanded newsletter, continued park development.
5. **Primghar** — shelterhouse improvements and park bleachers.

Honorable Mention — Riverside — community transit authority, street signs and park bleachers.
Honorable Mention — Buffalo Center — ambulance radio and pager, welcome signs, July 4th celebration.
Youth Involvement — Anita — park restoration, safety program, youth landscaped Junior-Senior High School.

Population Category V — 1,346-2,500

1. **Mount Ayr** — school bond referendum, gym safety, fairground clean-up.
2. **Stuart** — completed swimming pool, new rescue unit, community calendar of events sign.
3. **Northwood** — July 4th celebration, rink, restoration of gazebo.
4. **Parkersburg** — expanded health-care — civic center building and meals for elderly.
5. **Holstein** — welcome basket and doctor committee.

Honorable mention — Madrid — $250,000 clinic.
Youth Involvement — Monona — new band uniforms, downtown flower planter, elderly home living unit.
Honorable Mention — Youth Involvement — Coon Rapids — new park, nursing home van, Riverside park restoration.

1979 outstanding achievement and youth involvement winners (continued)

Population Category VI — 2,501-4,999

1. **Eldora** — summer recreation program, Eldora School development project, kiddie day activities.
2. **Audubon** — medical clinic, outdoor warning system, downtown beautification.
3. **Cresco** — theatre restoration, east park development, Kiwanis job service.
4. **Rock Rapids** — community building renovation, park improvement/clean-up program, bicycle safety course/RAGBRAI VII.
5. **Hampton** — medic search, Franklin County Art Fair, clean-up and beautification.

Honorable Mention — Vinton — new recreation center, tree planting.
Youth Involvement — Rock Rapids — see number four above.
Youth Involvement — Honorable Mention — Eagle Grove — paddle wheel players (community summer theatre), farm marking, flowing well park.

Population Category VII — 5,000-10,000

1. **Shenandoah** — community survey, civic center, migrant ministry, continued work on new hospital.
2. **Creston** — balloon races, meals on wheels, historical complex, tree planting, CRD youth, children's park, railroad heritage days, street improvement.
3. **Algona** — Big brother-big sister program, care team, the door opener, fund-raiser for leukemia patients, Algona "Bounces Back".
4. **Grinnell** — Grinnell Quasquicentennial.
5. **Chariton** — spring clean-up, senior citizen's complex.

Honorable Mention — Coralville — "vial of life" and continued restoration of old Coralville school.
Honorable Mention — Independence — clean-up week, softball program, park and recreation commission.
Youth Involvement — Chariton — see number 5 above.

Population Category VIII — over 10,000

1. **Waterloo** — Gateway club, youth development task force, Blackhawk County Youth Honor breakfast, dance marathon, Goodwill birthday party, Designer's showcase, Mayor's volunteer performance awards program.
2. **Indianola** — Business attitude survey, U.S. National Balloon championships (10th anniversary) 2525/Jaws campaign, playground development, physician recruitment, Warren County crime study committee, band trip to Montreal, annual clean-up.
3. **Ames** — Carr's pool project, and Cyclone Area Community Center.
4. **Ottumwa** — Chamber's reward fund, Chamber's salute industry kickoff campaign, Chamber's Oktoberfest/ambulance fund, Arts council activities, high school VICA activities, Rotary's **Native Sons and Daughters,** Wapello County Conservation Board's "Great Iowa clean-up".
5. **Cedar Falls** — continued Ice House restoration, continued energy conservation, continued Sturgis Falls Days, cardiac rehabilitation, ecology and clean community, continued battered women program, and neighborhood watch.

Honorable Mention — Fort Dodge — Old fort blacksmith shop, jaws of life, swimming pool(s) project.
Youth Involvement — Waterloo — see number one above.
Youth Involvement — Honorable Mention — Ottumwa — see number four above.

Population Category IX — Neighborhoods (for cities over 25,000)

1. **Pioneer Columbus — Des Moines** — Community gardens.
2. **Highland Neighborhood Association — Waterloo** — revitalize neighborhood homes, new shelter house for Highland Park.
3. **Sherman Hills — Des Moines** — rehabilitation work for iow and moderate income residents . . . outdoor cultural events.

Iowa kids stay in school

Grade	Enrollment 1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1978-79[1]
Kindergarten	50,219	47,250	45,803	44,185	44,225	45,790	44,920	39,631
First	49,890	46,070	42,717	41,593	40,211	40,890	42,375	42,799
Second	49,547	47,388	43,940	40,880	39,725	39,051	39,873	44,641
Third	50,510	48,513	46,716	43,292	40,095	39,461	38,710	45,461
Fourth	51,264	50,058	48,604	46,510	43,402	40,635	39,903	44,030
Fifth	50,314	50,812	49,880	47,771	46,072	43,225	40,807	43,009
Sixth	49,762	50,068	50,586	49,322	47,999	46,410	44,027	44,234
Ungraded Elem.	6,205	7,302	8,350	8,197	7,387	6,566	5,013	3,341
Total K-6	357,711	347,461	336,596	321,750	309,116	302,028	295,785	307,146
Seventh	48,918	51,583	52,364	52,335	51,080	49,570	47,742	46,105
Eighth	49,737	48,702	51,598	51,628	51,978	50,961	49,646	48,798
Ninth	50,725	50,844	49,823	52,307	52,447	53,099	51,780	52,268
Ungraded Jr. High	*	514	409	453	448	242	333	304
Total 7-9	149,380	151,643	154,194	156,722	155,953	153,872	146,313	147,475
Tenth	49,961	49,346	49,420	48,612	51,091	51,612	51,926	52,988
Eleventh	47,817	47,550	47,766	47,678	46,106	49,085	49,114	51,983
Twelfth	44,744	44,992	45,437	45,209	44,286	43,569	46,044	50,117
Ungraded Sr. High	190	2,040	1,489	174	173	262	356	1,108
Total 10-12	142,712	143,928	144,112	141,673	141,656	144,528	150,060	156,196
Special Education	9,766	9,486	11,043	10,577	10,355	10,410	11,027	10,918
Post H.S.	7	11	2	*				
Grand Total	659,576	652,529	645,947	630,722	617,080	610,838	603,596	621,735

[1] Data includes approved Public and Private schools in Iowa.

Source: Iowa Department of Public Instruction.

Iowans place a premium on education

Iowa has the nation's highest literacy rate because it has one of the nation's best school systems. Traditionally, Iowa's 451 public school districts have been in the forefront of new trends in school financing, teaching methods, administration and curriculum. This attitude is supported by the 276 parochial and private schools.

Iowa has three state universities, 38 private ones, and 15 area vocational schools and area community colleges.

The University of Iowa, Iowa City, has 23,349 enrollees. Its University Hospital facility is one of the nation's finest medical and educational institutions, often compared to the Mayo Clinic. The campus boasts the charming "Old Capitol," well preserved seat of Iowa's first formal government.

Iowa State University, Ames, has 23,486 students in eight major fields: Agriculture, Agricultural Engineering, Home Economics, Science and Humanities, Veterinary Medicine, Education, Engineering and graduate studies. The university pioneered some of the advances in nuclear energy research and is a major developer of uses for agricultural products. The university also maintains an extension service that works closely with Iowans and their communities on a wide variety of social and economic projects.

The University of Northern Iowa, Cedar Falls, originally a "teacher's college," has 10,382students. In recent years it has attracted many students in business education and other fields, aside from teaching. It has Iowa's first "mini-dome," an indoor arena for sports and other events. The university campus is among the nation's loveliest.

dropping out is not "in" among Iowa's students

Twelfth grade enrollment as a percentage of ninth grade for Iowa.

School year	%	School year	%
1964-65	89.8	1971-72	90.6
1965-66	90.0	1972-73	90.9
1966-67	91.5	1973-74	89.1
1967-68	92.1	1974-75	87.1
1968-69	93.0	1975-76	87.4
1969-70	93.0	1976-77	87.8
1970-71	91.8	1978-79	88.4

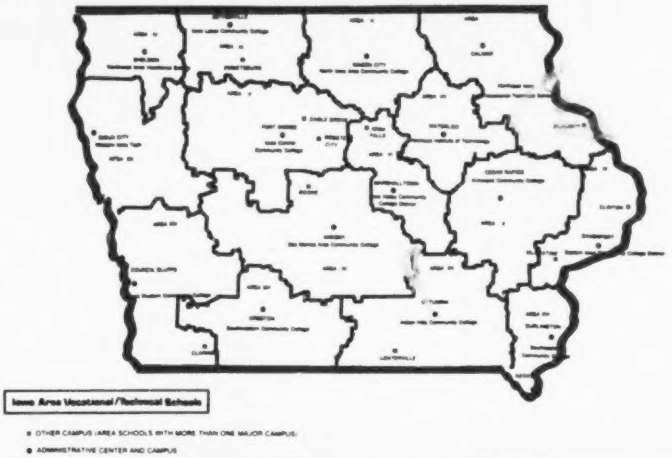
Source: Resource and Support Division, Iowa Development Commission.

many Iowans go on to higher learning

	Total Enrollment							
Type of Institution	Fall 1960	Fall 1965	Fall 1970	Fall 1975	Fall 1976	Fall 1977	Fall 1978	Fall 1979
State Universities	24,451	36,770	49,291	53,004	53,923	55,911	56,497	57,217
Private Colleges and Universities	24,282	35,838	35,473	32,883	32,787	33,890	35,935	36,662
Professional & Technical Colleges	283	308	1,503	2,725	2,437	2,354	2,326	2,380
Public Junior Colleges & Area Schools	3,148	9,238	20,518	29,832	30,485	30,453	31,821	31,754
Private Junior Colleges	1,915	2,794	3,520	3,040	3,060	3,334	4,075	3,897
All INSTITUTIONS	54,079	84,948	110,305	121,484	122,692	125,942	130,654	131,910

Source: Iowa College Presidents' Association Reports, Iowa College and University Enrollment, 1960, 1965, 1970 through 1979. Iowa College Aid Commission.

area schools, an Iowa "success story"


Iowa Area Vocational/Technical Schools
OTHER CAMPUS (AREA SCHOOLS WITH MORE THAN ONE MAJOR CAMPUS)
ADMINISTRATIVE CENTER AND CAMPUS

A lot of Iowans who might otherwise never make it to college are getting higher education because of Iowa's 15 area community colleges.

Enrollment in these primarily vocational-technical institutions has skyrocketed since their inception in 1965, and the schools are playing an ever-increasing role in Iowa's total educational picture.

The "education-for-all" concept offers 420 fulltime programs in 97 job categories, and the curriculum has broadened into some academic and cultural areas.

area college[1] enrollment in 1979 fall term shows state-wide impact

	Career Education		College Parallel		Other Programs		Agricultural Production for Veterans		Secondary School Programs		Total Enrollments	
	Fall 1978	Fall 1979	Fall 1978	Fall 1979	Fall 1978	Fall 1979	Fall 1978	Fall 1979	Fall 1978	Fall 1979	Fall 1978	Fall 1979
I. N.E. Iowa Voc-Tech School	907	897	—	—	—	—	96	61	142	134	1,145	1,092
1. Calmar												
2. Peosta												
II. North Iowa Area Community College	588	602	1,270	1,232	—	—	185	45	—	--	2,043	1,879
1. Mason City												
III. Iowa Lakes Community College	703	886	700	386	—	—	38	17	245	316	1,686	1,605
1. Emmetsburg												
2. Estherville												
IV. N.W. Iowa Technical College	422	426	—	—	—	—	27	—	14	9	463	435
1. Sheldon												
V. Iowa Central Community College	783	868	1,117	1,179	—	—	166	124	447	516	2,513	2,687
1. Eagle Grove												
2. Fort Dodge												
3. Webster City												
VI. Iowa Valley Community College	513	577	1,271	1,302	—	—	84	23	38	16	1,906	1,918
1. Iowa Falls												
2. Marshalltown												
VII. Hawkeye Institute of Technology	1,634	1,641	—	—	27	—	51	10	30	17	1,742	1,668
1. Waterloo												
IX. Eastern Iowa Community College	1,410	1,237	1,917	2,112	157	292	27	—	226	230	3,737	3,871
1. Bettendorf												
2. Clinton												
3. Davenport												
4. Muscatine												
X. Kirkwood Community College	2,059	2,174	2,427	2,528	—	—	42	—	501	491	5,029	5,193
1. Cedar Rapids												
XI. Des Moines Area Community College	2,308	2,382	2,836	3,022	—	—	149	76	555	274	5,848	5,754
1. Ankeny												
2. Boone												
3. Carroll												
XII. Western Iowa Technical College	1,474	1,268	—	—	—	—	70	15	5	5	1,549	1,288
1. Sioux City												
XIII. Iowa Western Community College	854	975	1,319	1,357	—	—	141	52	398	353	2,712	2,737
1. Clarinda												
2. Council Bluffs												
XIV. Southwest Community College	258	261	254	274	—	—	298	26	91	54	901	615
1. Creston												
XV. Indian Hills Community College	797	903	590	452	—	—	82	46	84	31	1,553	1,432
1. Centerville												
2. Ottumwa												
3. Ottumwa Heights												
XVI. Southeastern Community College	555	642	1,044	1,177	120	164	50	43	34	34	1,803	2,060
1. Burlington												
2. Keokuk												
GRAND TOTALS	15,265	15,739	14,745	15,021	304	456	1,506	538	2,810	2,480	34,630	34,234

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[1] Does not include enrollment in adult education.

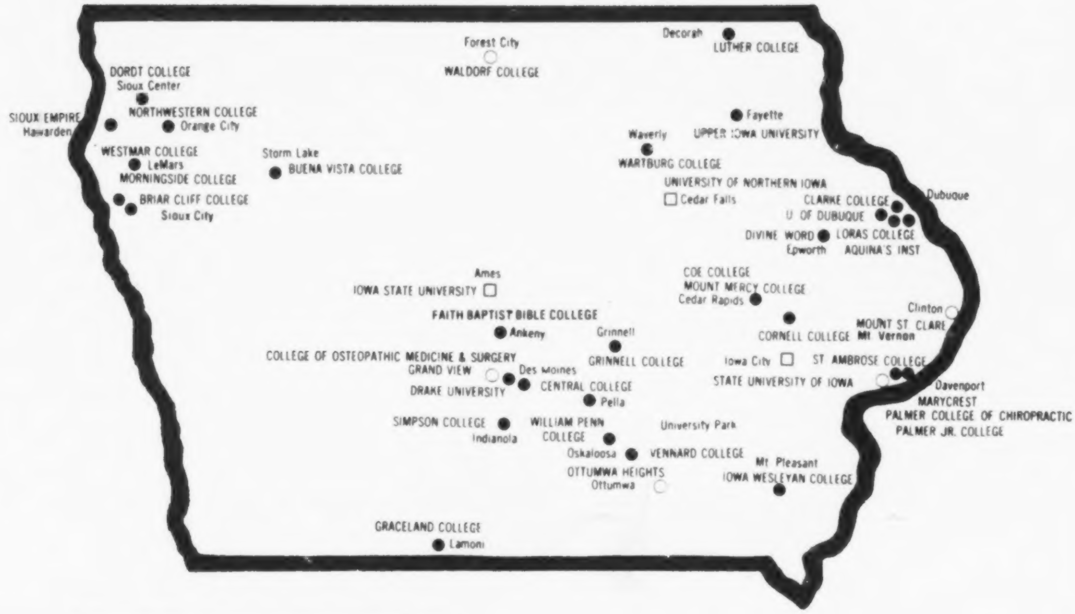
Source: Iowa College and University Enrollment, 1979, Iowa College Aid Commission.

COLLEGES AND UNIVERSITIES. . .

Iowa's colleges and universities have been a continuous source of both management-level personnel and industrial scientists. In addition, many employees are using the state's educational facilities to improve their value by working toward advanced degrees.

Iowa's colleges

IOWA COLLEGES AND UNIVERSITIES


Forest City
WALDORF COLLEGE
Decorah
LUTHER COLLEGE
DORDT COLLEGE
Sioux Center
NORTHWESTERN COLLEGE
Orange City
SIOUX EMPIRE
Hawarden
WESTMAR COLLEGE
LeMars
MORNINGSIDE COLLEGE
BRIAR CLIFF COLLEGE
Sioux City
Storm Lake
BUENA VISTA COLLEGE
Fayette
UPPER IOWA UNIVERSITY
Waverly
WARTBURG COLLEGE
UNIVERSITY OF NORTHERN IOWA
Cedar Falls
CLARKE COLLEGE
U OF DUBUQUE
Dubuque
DIVINE WORD
Epworth
LORAS COLLEGE
AQUINAS INST
Ames
IOWA STATE UNIVERSITY
COE COLLEGE
MOUNT MERCY COLLEGE
Cedar Rapids
Clinton
FAITH BAPTIST BIBLE COLLEGE
Ankeny
Grinnell
CORNELL COLLEGE
Mt Vernon
MOUNT ST. CLARE
COLLEGE OF OSTEOPATHIC MEDICINE & SURGERY
GRAND VIEW
Des Moines
DRAKE UNIVERSITY
CENTRAL COLLEGE
Pella
GRINNELL COLLEGE
Iowa City
STATE UNIVERSITY OF IOWA
ST AMBROSE COLLEGE
Davenport
MARYCREST
PALMER COLLEGE OF CHIROPRACTIC
PALMER JR. COLLEGE
SIMPSON COLLEGE
Indianola
WILLIAM PENN COLLEGE
Oskaloosa
University Park
VENNARD COLLEGE
Mt. Pleasant
IOWA WESLEYAN COLLEGE
OTTUMWA HEIGHTS
Ottumwa
GRACELAND COLLEGE
Lamoni

IOWA COLLEGES AND UNIVERSITIES

☐ STATE UNIVERSITIES
● PRIVATE 4 YEAR COLLEGES AND UNIVERSITIES
○ PRIVATE 2 YEAR COLLEGES

higher education in the midwest

State	1975-76 Bachelor's Degrees (Requiring 4 or 5 Years)	1975-76 First-Professional Degrees (Requiring at Least 6 Years)	1975-76 Master's Degrees	1975-76 Doctor's Degrees (Ph.D., Ed.D., etc.)	1976-77 Bachelor's Degrees (Requiring 4 or 5 Years)	1976-77 First-Professional Degrees (Requiring at Least 6 Years)	1976-77 Master's Degrees	1976-77 Doctor's Degrees (Ph.D., Ed.D., etc.)
United States	925,746	62,649	311,771	34,064	919,549	64,359	317,164	33,232
Illinois	44,610	4,262	17,735	2,025	45,027	4,103	17,923	2,061
Iowa	13,423	1,550	2,411	568	13,047	1,583	2,624	520
Kansas	11,598	675	3,272	385	11,834	616	3,542	370
Minnesota	18,263	1,300	2,941	497	18,163	1,412	3,509	519
Missouri	21,450	2,107	7,534	686	21,678	2,120	8,285	689
South Dakota	3,695	86	720	45	3,794	123	777	48
Nebraska	7,744	748	1,552	178	7,478	716	1,771	218
Wisconsin	21,161	861	5,712	899	20,803	864	5,661	765

Source: Earned Degrees Conferred, U.S. Department of Health, Education and Welfare, 1979.

freshman enrollment in institutions of higher learning, Iowa

Type of Institution	Fall 1960	1965	1970	1975	1976	1977	1978	1979
State Institutions	5,253	7,708	8,170	8,367	8,386	9,078	9,158	9,080
Private Colleges and Universities	7,683	9,734	8,921	7,668	7,751	8,035	8,516	8,694
Professional and Technical Colleges	—	--	259	—	—	—	—	—
Area Schools	1,852	5,776	12,082	12,996	12,610	13,509	13,971	16,022
Private Junior Colleges	1,099	1,581	1,802	1,257	1,276	1,421	1,540	1,587
ALL INSTITUTIONS	15,887	24,799	31,234	30,288	30,023	32,043	33,185	35,383

Source: Iowa College Aid Commission.

Number of persons 25 years old and over by years of school completed, 1970

State	No School Completed	Elementary 8 Years	High School 4 Years	College 4 Years
United States	1,767,753	14,015,364	34,158,051	6,657,604
Illinois	75,188	985,378	1,944,720	363,454
Iowa	8,513	284,531	596,649	84,035
Kansas	8,110	197,614	438,583	80,766
Minnesota	14,137	386,155	687,242	131,154
Missouri	24,286	520,115	795,144	134,282
Nebraska	5,772	139,501	299,440	46,067
South Dakota	2,052	86,684	108,908	18,647
Wisconsin	20,749	441,159	811,048	134,420

Source: U.S. Department of Commerce, Bureau of the Census, Tables 156 & 157 — PC (1) — C1 U.S. Summary, 1970 Census of Population.

Estimated average salaries of all teachers in public schools

	1966-67	1968-69	1970-71	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
Iowa	$6,396	$7,781	$9,103	$9,645	$9,863	$10,867	$11,570	$12,320	$13,402	$14,202
United States	6,830	7,908	9,269	10,114	10,778	12,670	12,600	13,297	14,247	15,040

Source: National Education Association, Research Division, Iowa Department of Public Instruction.

Number of public and nonpublic Iowa high school graduates, by sex: 1976-77

Public High School Graduates			Nonpublic High School Graduates		
Total	Boys	Girls	Total	Boys	Girls
43,720	21,601	22,119	4,000	1,900	2,100

Estimated expenditures for Iowa public elementary and secondary education: 1977-78

(In Thousands of Dollars)

	Current Expenditures		
Total Expenditures	Public Elementary and Secondary Day Schools	Capital Outlay	Interest on School Debt
$1,245,125	$1,115,430	$106,591	$23,104

Source: U.S. Department of Health, Education and Welfare, "Digest of Educational Statistics — 1979 Edition."

Iowa school enrollment 1978-1979

(Primary and Secondary Education)

County Name	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Adair	688	357	427	3	1,475	—	1,475
Adams	429	243	304	41	1,017	—	1,017
Allamakee	1,665	988	947	64	3,664	178	3,842
Appanoose	1,430	671	766	137	3,004	95	3,099
Audubon	766	438	457	11	1,672	—	1,672
Benton	2,468	1,327	1,359	58	5,212	130	5,342
Black Hawk	11,504	5,494	5,757	728	23,483	3,944	27,427
Boone	2,200	1,096	1,206	54	4,556	229	4,785
Bremer	3,444	1,680	1,899	40	7,063	288	7,351
Buchanan	1,917	992	1,039	73	4,021	435	4,456
Buena Vista	1,648	786	955	36	3,425	388	3,813
Butler	1,759	825	861	41	3,486	—	3,486
Calhoun	1,515	753	919	8	3,195	—	3,195
Carroll	1,537	693	752	45	3,027	2,723	5,750
Cass	1,826	933	1,031	34	3,824	—	3,824
Cedar	2,096	1,063	1,141	41	4,341	27	4,368
Cerro Gordo	3,981	1,856	2,253	251	8,341	696	9,037
Cherokee	1,704	821	928	76	3,529	—	3,529
Chickasaw	1,532	849	900	36	3,317	252	3,569
Clarke	898	397	400	18	1,713	—	1,713
Clay	1,822	885	996	31	3,734	200	3,934
Clayton	2,146	1,045	1,311	31	4,533	216	4,749
Clinton	5,826	2,975	2,917	293	12,011	1,121	13,132
Crawford	1,884	1,024	1,192	62	4,162	444	4,606
Dallas	3,441	1,534	1,567	99	6,641	249	6,890
Davis	804	383	446	31	1,664	—	1,664
Decatur	906	400	418	17	1,741	—	1,741
Delaware	1,834	1,133	1,106	27	4,100	298	4,398
Des Moines	4,667	2,146	2,106	176	9,095	534	9,629
Dickinson	1,518	740	790	10	3,058	—	3,058
Dubuque	6,985	3,648	4,475	386	15,494	9,629	25,123
Emmet	1,434	691	739	48	2,912	—	2,912
Fayette	2,666	1,624	1,775	63	6,128	221	6,349
Floyd	1,968	1,145	1,138	65	4,316	250	4,566
Franklin	1,011	505	600	47	2,163	30	2,193
Fremont	969	413	495	22	1,899	—	1,899
Greene	1,189	615	689	49	2,542	—	2,542
Grundy	1,495	759	820	8	3,082	44	3,126
Guthrie	1,522	722	829	29	3,102	—	3,102
Hamilton	1,750	953	1,020	72	3,795	120	3,915
Hancock	1,354	660	734	6	2,754	76	2,830
Hardin	2,452	1,208	1,371	91	5,122	16	5,138
Harrison	1,812	861	981	70	3,724	65	3,789
Henry	1,990	923	989	70	3,972	—	3,972
Howard	1,172	739	806	36	2,753	318	3,071
Humboldt	1,136	633	718	47	2,534	125	2,659
Ida	786	391	469	21	1,667	—	1,667
Iowa	1,523	842	1,016	36	3,417	228	3,645
Jackson	2,223	1,207	1,246	85	4,761	591	5,352
Jasper	3,652	1,816	1,824	93	7,385	222	7,607
Jefferson	1,364	651	685	66	2,766	—	2,766

school enrollment
(continued)

County Name	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Johnson	5,867	2,428	2,380	121	10,796	701	11,497
Jones	1,908	1,072	1,171	71	4,222	288	4,510
Keokuk	1,305	713	796	14	2,828	116	2,944
Kossuth	1,628	811	973	62	3,474	1,492	4,966
Lee	3,651	1,822	1,891	177	7,541	1,493	9,034
Linn	17,509	8,238	8,720	803	35,270	3,532	38,802
Louisa	1,621	814	743	35	3,213	—	3,213
Lucas	979	453	504	22	1,958	—	1,958
Lyon	1,343	651	717	11	2,722	177	2,899
Madison	1,612	738	763	31	3,144	—	3,144
Mahaska	1,789	788	788	81	3,446	193	3,639
Marion	2,993	1,364	1,384	87	5,828	752	6,580
Marshall	4,202	2,040	2,129	160	8,531	268	8,799
Mills	1,437	573	600	65	2,675	—	2,675
Mitchell	1,008	567	756	16	2,347	312	2,659
Monona	1,106	564	697	23	2,390	98	2,488
Monroe	806	405	447	30	1,688	—	1,688
Montgomery	1,246	600	595	21	2,462	—	2,462
Muscatine	4,230	2,009	1,919	120	8,278	238	8,516
O'Brien	1,433	840	971	18	3,262	508	3,770
Osceola	635	297	346	4	1,282	115	1,397
Page	1,733	779	857	105	3,474	51	3,525
Palo Alto	1,205	656	801	38	2,700	273	2,973
Plymouth	2,221	1,076	1,294	43	4,634	1,154	5,788
Pocahontas	977	584	741	24	2,326	214	2,540
Polk	29,429	13,094	13,735	1,379	57,637	5,822	63,459
Pottawattamie	9,448	4,382	4,431	610	18,871	721	19,592
Poweshiek	1,817	850	967	35	3,669	—	3,669
Ringgold	614	281	331	—	1,226	—	1,226
Sac	1,367	696	780	45	2,888	64	2,952
Scott	16,870	7,989	7,998	631	33,488	2,832	36,320
Shelby	1,354	767	1,044	23	3,188	434	3,622
Sioux	2,059	1,045	1,198	135	4,437	2,491	6,928
Story	5,319	2,505	2,715	221	10,760	148	10,908
Tama	2,103	1,056	1,126	68	4,353	—	4,353
Taylor	768	421	414	55	1,658	—	1,658
Union	1,374	649	741	55	2,819	119	2,938
Van Buren	885	432	465	35	1,817	—	1,817
Wapello	4,039	1,933	2,141	262	8,375	—	8,375
Warren	3,994	1,757	1,746	76	7,573	—	7,573
Washington	1,961	983	987	53	3,984	231	4,215
Wayne	708	352	379	8	1,447	—	1,447
Webster	3,833	1,902	2,146	244	8,125	1,498	9,623
Winnebago	1,671	752	912	13	3,348	14	3,362
Winneshiek	1,304	756	1,003	40	3,103	578	3,681
Woodbury	9,381	4,102	4,552	721	18,756	2,883	21,639
Worth	832	375	394	7	1,608	—	1,608
Wright	1,662	838	994	36	3,530	—	3,530
State	277,544	134,332	144,751	10,916	567,543	54,192	621,735

K = Kindergarten
Source: Iowa Department of Public Instruction.

deposits, loans, midwest (millions)

Total Gross Loans and Federal Funds Sold

	1970	1973	1974	1975	1976	1977	1978
Iowa	$ 3,848	$ 6,257	$ 6,818	$ 7,437	$ 8,562	$ 9,990	$ 11,023
Illinois	22,023	38,281	43,294	43,015	45,059	50,525	57,634
Kansas	2,835	4,666	5,141	5,490	6,522	7,480	8,087
Minnesota	5,629	8,982	9,951	10,127	11,433	12,843	14,587
Missouri	6,909	10,310	11,130	11,304	12,946	15,219	17,141
Nebraska	2,166	3,727	4,018	4,103	4,721	5,450	5,887
S. Dakota	923	1,498	1,690	1,828	2,113	2,418	2,692
Wisconsin	6,869	9,417	10,056	10,207	11,571	13,479	14,863
Total Midwest	51,202	83,138	92,098	93,511	102,027	117,404	131,914
Total Deposits							
Iowa	$ 6,634	$ 9,549	$ 10,589	$ 11,799	$ 13,035	$ 14,224	$ 15,606
Illinois	34,548	51,826	58,610	59,446	61,685	68,836	74,189
Kansas	5,017	7,344	7,964	8,791	9,747	10,803	11,705
Minnesota	9,139	12,657	13,887	14,739	16,210	18,028	19,925
Missouri	11,456	15,042	16,159	17,260	19,012	21,286	23,084
Nebraska	3,606	5,390	5,767	6,251	6,718	7,394	8,193
S. Dakota	1,571	2,368	2,614	2,914	3,229	3,442	3,785
Wisconsin	9,682	13,094	13,951	15,008	16,485	18,538	19,541
Total Midwest	81,653	117,270	129,541	136,208	146,121	162,551	176,028
Mortgage Loans and Contracts							
Iowa	$ 1,691	$ 2,623	$ 2,989	$ 3,494	$ 4,072	$ 4,778	$ 5,367
Illinois	11,696	17,697	18,497	20,388	23,749	23,267	32,167
Kansas	1,884	2,903	3,269	3,631	4,218	4,845	5,460
Minnesota	2,907	4,316	4,648	5,179	5,898	6,771	7,697
Missouri	3,799	6,221	6,601	7,288	8,487	9,798	11,239
Nebraska	1,037	1,851	2,130	2,425	2,833	3,319	3,772
S. Dakota	212	341	382	454	558	667	764
Wisconsin	3,147	5,154	5,608	6,091	7,245	8,534	9,525
Total Midwest	26,373	41,106	44,124	43,771	57,060	66,979	75,991

Source: "Assets and Liabilities," Commercial and Mutual Savings Banks. "Asset and Liability Trends," Federal Home Loan Bank Board.

Iowa is a top insurance state, prime source of financing

(dollars in thousands)

	1960	1965	1970	1974	1975	1976	1977	1978
Life Companies								
Number	16	29	29	29	28	34	33	32
Admitted assets	$2,284,785	$ 3,105,280	$ 4,223,141	$ 5,797,974	$ 6,565,897	$ 7,644,372	$ 8,743,599	$ 9,900,769
Total income	405,093	640,652	961,904	1,532,281	1,754,093	2,240,246	2,544,843	2,846,909
Life premiums	207,030	317,730	466,722	739,976	896,234	895,051	1,249,420	1,520,752
Accident-health	55,072	109,358	192,334	278,450	323,564	380,176	479,649	491,681
Total disbursements	289,578	444,496	708,793	1,059,070	1,206,172	1,317,476	1,503,577	1,721,198
Direct benefits	136,849	212,267	337,543	N/A	534,119	607,296	653,455	716,489
Iowa business in force	1,639,897	2,914,357	4,987,814	6,809,621	5,618,159	7,180,573	9,344,099	9,720,437
Total business in force	8,017,330	13,097,593	22,469,072	36,616,482	40,218,032	45,366,012	54,118,901	62,467,338
Fire, Casualty, Multiple Line Companies								
Number	45	46	41	42	42	44	46	46
Admitted assets	$ 287,551	$ 352,149	$ 561,444	$ 843,179	$ 946,412	1,109,329	1,444,432	1,944,158
Total liabilities	181,739	225,681	382,558	576,570	655,550	757,597	1,017,644	1,387,571
Total premiums	209,573	252,155	421,012	624,650	719,164	806,123	993,470	1,193,797
Total direct losses	114,793	147,199	244,086	386,371	402,297	483,506	585,180	722,397
Net income	9,888	4,682	22,300	5,967	597	42,200	71,378	91,913

N/A—Information not available.
Source: State of Iowa, Report of the Insurance Department of Iowa, 1978 Annual Report.

insurance business in Iowa

(thousands)

	1960	1965	1970	1974	1975	1976	1977	1978
Life insurance								
Life considerations	$ 159,408	$ 222,335	$ 309,870	$ 349,887	$ 434,581	$ 415,677	$ 454,833	$ 489,037
Direct claims and benefits	45,246	108,378	155,075	184,007	188,382	195,980	220,030	257,005
In force December 31	7,712,277	11,548,791	18,082,838	24,109,837	25,346,285	29,418,496	34,367,416	37,129,157
Accident and Health								
Total premiums	44,818	99,309	164,701	216,198	231,070	286,673	296,349	319,286
Group premiums	—	—	100,447	134,710	148,272	168,205	194,386	189,579
Total claims	27,766	66,950	120,896	150,857	203,168	178,437	187,583	200,087
Group claims	—	—	88,066	110,268	124,931	136,404	143,054	145,492
Fire, Casualty, Multiple Line								
Total Premiums	210,573	251,676	385,706	599,087	652,630	786,890	947,603	1,083,894
Fire	26,719	23,412	30,442	33,833	38,104	40,271	42,422	46,948
Homeowners	11,416	22,697	35,509	49,031	65,556	70,010	83,292	111,773
Auto liability (BI, PD)	42,716	60,618	89,424	137,396	141,975	178,152	207,052	225,376
Auto physical damage	34,192	41,988	66,195	93,220	95,412	125,254	158,701	177,630
Workmen's compensation	12,747	16,543	27,134	64,185	69,048	87,045	108,918	128,489
Total direct losses	110,780	136,127	203,300	359,663	342,009	400,333	429,015	555,839
Fire	10,435	10,853	14,079	11,468	15,028	24,285	16,513	16,463
Homeowners	4,651	12,803	19,542	42,307	30,457	35,752	40,752	67,464
Auto liability (BI, PD)	23,535	36,502	57,240	82,448	88,941	90,678	102,275	120,672
Auto physical damage	18,021	23,121	39,406	61,338	72,796	83,307	86,658	110,808
Workmen's compensation	7,478	9,525	15,198	30,117	30,700	38,317	46,616	58,491

Source: State of Iowa, Report of the Insurance Department of Iowa, 1978 Annual Report.

financial institutions encourage business growth

Iowa insured commercial banks

(dollars in millions)

	1967	1970	1973	1974	1975	1976	1977
Number of banks	662	658	661	657	654	652	649
Total assets	$5,235	$7,455	$10,980	$12,110	13,370	$14,606	$16,094
Demand deposits	2,405	3,124	3,996	4,127	4,212	4,249	4,484
Time deposits	2,295	3,510	5,554	6,462	7,588	8,786	9,741
Total deposits	4,700	6,634	9,549	10,589	11,799	13,035	14,225
Securities	1,693	2,363	3,927	3,517	4,128	4,342	4,238
Cash, bank balances	717	1,104	1,317	N/A	N/A	N/A	N/A

Source: U.S. Department of Commerce: Statistical Abstract of the United States, 1968 through 1978.

Iowa savings and loan associations

(dollars in millions)

	1967	1970	1972	1973	1974	1975	1976
Number of associations	91	83	81	88	84	84	79
Total assets	$1,588	$1,966	$2,662.7	$3,039	$3,499	4,137	$4,813
First mortgage loans	1,328	1,691	2,284.6	2,599	2,989	3,494	4,072
Savings capital	1,416	1,691	2,307.7	2,643	2,983	3,529	4,181

Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1978;
Federal Home Loan Bank Board, "Asset and Liability Trends."

Iowa chattel or small loan companies

	1967	1970	1973	1974	1975	1976	1977	1978
Number of offices	379	358	347	326	317	302	297	294
Number of accounts	122,559	107,991	86,056	82,132	71,690	58,519	55,754	55,684
Loans made during year ($000)	61,762	53,724	41,547	38,857	35,086	32,682	33,542	32,245
Loans charged off during year ($000)	1,246	1,783	1,728	1,561	1,876	1,605	1,374	1,286
Total net outstanding ($000)	48,628	47,974	39,984	37,010	32,921	27,764	26,522	25,587

Source: State of Iowa, Annual Report of the Superintendent of Banking of the State of Iowa, 1966 through 1978.

Iowa state chartered credit unions

(dollars in thousands)

	1967	1970	1973	1974	1975	1976	1977	1978
Number (on Jan. 1)	401	426	405	412	419	427	423	391
Total assets	$157,662	$205,599	$279,729	$308,486	$351,320	431,447	$493,055	$565,920
Loans	117,422	150,265	208,834	239,492	277,566	353,852	410,008	475,319
Shares and deposits	140,127	181,093	246,133	271,761	309,116	357,118	414,481	471,125

Source: State of Iowa, Annual Report of the Superintendent of Banking in the State of Iowa, 1966 through 1977; State of Iowa, Annual Report of the Administrator of the Credit Union Department, 1978.

housings units - midwest states, 1970

	Illinois	Iowa	Kansas	Minnesota	Missouri	Nebraska	South Dakota	Wisconsin
All Housing Units	3,703,367	964,060	789,196	1,276,198	1,673,361	515,069	225,253	1,472,466
Vacant-Seasonal and Migratory	10,452	9,259	1,774	57,498	9,238	3,178	3,533	58,361
All Year-Round Housing Units	3,692,915	954,801	787,422	1,218,700	1,664,123	511,891	221,720	1,414,105
Percent in One-Unit Structure	59.5	82.0	81.9	73.5	73.8	79.7	80.4	70.7
Population								
Population in Housing Units, 1970	10,830,183	2,733,699	2,160,877	3,692,374	4,538,217	1,431,184	637,74[illegible]	4,283,702
Per Occupied Unit	3.1	3.0	3.0	3.2	3.0	3.0	3.2	3.2
Owner	3.3	3.1	3.0	3.5	3.1	3.1	3.3	3.5
Renter	2.7	2.8	2.8	2.5	2.7	2.8	3.0	2.7
Population in Housing Units, 1960	9,819,235	2,687,341	2,114,424	3,325,196	4,202,858	1,371,828	660,184	3,854,086
Per Occupied Unit	3.2	3.2	3.1	3.4	3.1	3.2	3.4	3.4
All Occupied Units	3,502,138	896,311	727,364	1,153,946	1,520,567	473,721	200,807	1,328,804
Owner Occupied	2,081,101	642,676	502,585	824,629	1,021,106	314,600	139,681	918,123
Percent of all Occupied	59.4	71.7	69.1	71.5	67.2	66.4	69.6	69.1
Owner-Median Value	$19,800	$13,900	$12,100	$18,000	$14,400	$12,400	$11,400	$17,300
Renter-Median Rent	$ 107	$ 77	$ 75	$ 101	$ 74	$ 77	$ 69	$ 91

Source: "1970 General Housing Characteristics," Dec. 1971, U.S. Department of Commerce, Bureau of the Census.

new residential construction, midwest states authorized permit issuing places

	1968		1970		1975		1977		1978	
	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
United States	1,387,799	$18,799,465	1,384,028	$19,663,561	949,234	$24,107,069	1,692,082	$50,071,424	1,801,514	$58,937,794
Iowa	12,596	181,504	11,074	158,881	14,706	331,981	20,591	593,788	17,161	554,402
Minnesota	31,776	466,532	25,465	409,760	19,162	547,831	38,337	1,290,325	37,823	1,438,768
South Dakota	1,386	17,638	2,440	29,493	3,103	66,283	5,983	140,960	5,289	154,367
Nebraska	9,356	96,215	8,014	89,667	7,927	163,970	11,322	287,043	10,937	289,575
Kansas	12,117	163,935	9,906	149,634	12,106	323,686	17,524	582,695	15,856	578,040
Missouri	28,410	387,980	23,344	326,392	16,135	401,616	28,081	758,909	29,065	895,888
Illinois	79,227	1,196,866	54,204	907,026	39,325	1,084,862	75,374	2,485,816	72,163	2,735,781
Wisconsin	26,428	378,609	23,175	332,951	26,002	635,564	41,296	1,226,778	37,651	1,302,691

Source: "Construction Reports — Housing Authorized by Building Permits and Public Contracts," U.S. Department of Commerce, Bureau of the Census.

number and valuation of permits issued for new dwellings

City	1975		1977		1978		10 months 1979	
	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
Ames	256	$ 5,062.8	235	$ 13,327.0	196	$ 11,129.4	119	$ 6,259.0
Bettendorf	299	9,949.5	264	11,578.9	262	12,482.0	133	6,627.9
Burlington	65	2,350.7	196	7,423.2	88	4,833.4	33	1,709.4
Cedar Falls	174	8,476.3	199	13,370.1	141	8,578.6	94	5,400.1
Cedar Rapids	455	12,470.2	598	20,508.5	537	24,417.2	418	19,829.6
Clinton	45	1,837	100	4,437.8	60	4,363.1	51	4,628.4
Council Bluffs	51	871.4	137	4,942.1	124	3,425.3	144	2,944.4
Davenport	433	12,815.2	559	24,739.0	487	23,792.2	380	18,997.5
Des Moines	259	16,737.5	668	38,801.2	490	29,287.3	300	18,165.4
Dubuque	244	7,089.5	244	10,203.1	179	9,066.1	144	8,811.6
Ft. Dodge	72	2,018.5	109	4,363.0	98	4,301.5	43	2,234.5
Iowa City	232	10,381.8	263	14,485.7	215	12,384.7	137	10,765.9
Keokuk	7	193.0	36	1,007.2	36	1,059.3	22	789.7
Marion	90	2,481.0	124	4,103.3	165	6,032.9	166	9,429.0
Marshalltown	166	3,400.0	131	3,571.0	81	3,435.0	22	1,056.0
Mason City	53	2,493.8	127	5,181.5	99	5,322.2	50	3,616.4
Muscatine	72	3,749.8	68	2,825.4	66	3,277.9	56	3,566.0
Newton	26	869.7	71	3,104.2	68	3,662.5	38	3,002.0
Ottumwa	37	1,144.8	106	3,746.8	73	3,085.0	60	3,254.0
Sioux City	502	8,954.5	314	9,716.5	149	6,057.7	76	6,203.2
Urbandale[1]	NA	NA	NA	NA	NA	NA	202	12,852.3
Waterloo	269	9,906.7	422	16,933.5	261	12,720.3	194	12,405.0
West Des Moines	115	6,091.5	154	11,843.2	158	8,089.8	105	10,762.5
TOTAL	3,922	$129,345.2	5,125	$230,212.2	4,033	$200,803.4	2,987	$173,309.8

[1] Urbandale was added in 1979.

Source: Resource and Support Division, Iowa Development Commission.

value of new construction, Iowa
(thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1978	$59,801	$76,899	$414,733	$161,298	$316,356	$238,580	$205,105	$174,592	$173,965	$182,131	$139,023	$75,598	$2,219,229
1977	48,693	55,174	133,417	131,420	168,807	149,278	167,181	161,213	124,248	145,207	127,728	95,655	1,509,082
1976	41,998	57,711	100,085	106,509	120,457	125,122	185,863	127,528	129,654	125,533	215,298	93,663	1,425,785
1975	35,490	38,213	57,082	94,270	124,380	364,167	105,512	95,145	107,006	112,444	63,153	54,608	1,252,180
1974	49,598	54,448	88,233	93,399	102,662	172,485	107,825	114,415	68,172	73,833	88,572	62,340	1,077,942
1973	51,846	62,270	91,605	125,857	124,994	113,002	130,890	77,406	103,626	86,231	90,095	53,441	1,111,263
1971	13,606	44,667	65,193	61,439	106,526	79,465	68,713	79,619	53,431	65,491	52,832	61,925	752,907
1970	37,895	62,098	43,835	48,426	74,185	84,441	92,815	67,216	55,985	59,911	41,753	41,039	709,679

Source: "F. W. Dodge Division, McGraw-Hill Information Systems Company, Proprietary Data provided by special permission."

new residential construction, smsa's

	1968		1973		1975		1977		1978	
Iowa SMSA's	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
Cedar Rapids	1,662	$17,515	1,158	$17,483	1,318	$22,636	1,755	$ 37,922	1,713	$ 44,512
Davenport	2,976	43,044	2,923	46,342	2,487	54,780	3,449	103,762	2,949	93,204
Des Moines	2,782	42,309	2,013	41,219	2,353	62,369	3,961	118,223	3,184	104,192
Dubuque	254	3,472	339	5,422	434	8,794	388	12,871	460	16,559
Omaha-Council Bluffs	5,660	47,797	5,207	58,073	2,711	42,061	3,879	85,303	3,765	84,436
Sioux City	451	6,110	358	6,612	927	16,862	746	18,784	512	15,809
Waterloo	829	10,227	354	4,893	1,114	23,071	1,353	40,215	930	26,424

Source: "Construction Reports—Housing Authorized by Building Permits and Public Contracts," U.S. Department of Commerce, Bureau of the Census.

Iowa's construction industry, 1972
(dollars in thousands)

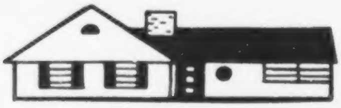
Industry Group and Industry	Total Number of Establishments	All Employees (Average)	Total Payroll	Total Receipts	Value Added	Total Capital Expenditures Other than Land	Rental Payments for Machinery and Equipment
Construction Industries, Total	6,380	41,581	365,428	1,449,105	669,249	53,602	12,521
Contract Construction Industries:							
General Building Contractors	1,901	13,521	110,764	575,707	192,462	8,070	1,587
Heavy Construction Contractors:							
Highway & Street Construction	188	4,272	41,406	190,236	74,787	17,467	4,133
Heavy Construction, N.E.C.	286	1,742	14,299	59,815	36,385	5,046	242
Special Trade Contractors:							
Plumbing, Heating, Air Conditioning	846	5,399	52,687	180,536	93,573	2,694	463
Painting, Paper Hanging, Decorating	395	1,073	8,143	19,320	15,039	610	90
Electrical Work	518	3,152	31,418	89,478	48,698	1,791	382
Masonry, Stonework, and Plastering:							
Masonry and Other Stonework	201	1,211	10,399	24,160	16,007	753	139
Plastering, Drywall, Insulation	130	867	9,185	25,231	16,127	264	62
Terrazzo, Tile, Marble, Mosaic Work	29	129	849	(D)	(D)	(D)	(S)
Carpentering and Flooring:							
Carpentering	429	1,512	8,747	(D)	(D)	326	(D)
Floor Laying and Floor Work, N.E.C.	114	225	1,298	8,316	4,583	53	—
Roofing and Sheet Metal Work	280	1,939	17,235	46,474	27,527	633	211
Concrete Work	253	1,336	10,652	37,075	21,060	2,026	282
Miscellaneous Special Trade Contractors:							
Structural Steel Erection	22	215	1,475	3,014	2,407	170	70
Excavating and Foundation Work	306	1,133	8,956	29,790	21,609	5,106	1,451
Wrecking and Demolition Work	11	76	517	1,270	1,066	183	45
Installing Building Equipment, N.E.C.	26	131	1,162	(D)	3,091	39	(D)
Special Trade Contractors, N.E.C.	114	(D)	(D)	11,604	7,293	305	43
Subdividers and Developers and Operative Builders:							
Subdividers and Developers, N.E.C.	33	357	3,177	11,754	3,726[1]	1,423	(D)

Standard Notes: (D) Withheld to avoid disclosing figures for individual companies. All such figures are included in higher-level totals.
(S) Withheld because estimate did not meet publication standards either on the basis of the associated standard error or on the basis of a consistency review.

N.E.C.—Not elsewhere classified

[1] The "Value added" computation for these industries is "Total receipts" less "Land receipts" less "Total selected payments."
Source: 1972 Census of Construction Industries, U.S. Department of Commerce, Bureau of the Census, issued July, 1975

housing units, Iowa places of 2500 or more inhabitants



1970	Total Housing Units	Occupied Housing Units	Owner Occupied (Percent)	Owner-Median Value (Dollars)
Iowa	964,060	896,311	71.7	13,900
Urban	550,744	522,517	69.4	15,400
Rural	413,316	373,794	74.9	10,100
Inside SMSA's	328,900	311,819	70.8	16,300
In Central Cities	215,817	204,536	67.8	16,100
Not in Central Cities	113,083	107,283	76.6	17,100
Outside SMSA's	635,160	584,492	72.2	12,000
Standard Metropolitan				
Statistical Areas				
Cedar Rapids	54,137	50,855	71.9	18,100
Davenport-Rock Island-Moline, Iowa-Ill.	121,108	114,835	69.8	17,800
Des Moines	98,325	93,415	69.6	16,100
Dubuque	25,280	24,279	73.2	17,800
Omaha, Nebr.-Iowa	174,773	165,216	63.3	14,900
Sioux City, Iowa-Nebr.	39,301	36,745	69.6	12,800
Waterloo	41,513	39,638	73.4	15,900
Places of 2,500 Inhabitants or More				
Albia	1,678	1,567	69.8	8,300
Algona	2,090	2,022	71.8	13,700
Altoona	838	802	81.7	18,200
Ames	11,038	10,716	49.2	22,900
Anamosa	1,319	1,257	67.1	15,700
Ankeny	2,641	2,552	74.7	21,600
Atlantic	2,810	2,648	66.9	14,900
Audubon	1,091	1,036	80.3	12,500
Belle Plaine	1,153	1,071	80.4	7,800
Bettendorf	6,445	6,174	79.5	22,500
Bloomfield	1,108	1,057	74.6	11,600
Boone	4,590	4,386	74.0	11,300
Burlington	11,979	11,159	69.8	13,600
Camanche	1,077	1,020	37.4	18,100
Carroll	2,683	2,560	74.5	16,300
Carter Lake	885	829	84.8	12,200
Cedar Falls	8,286	7,976	70.3	19,900
Cedar Rapids	37,979	35,719	69.2	18,100
Centerville	2,668	2,452	69.3	8,300
Chariton	2,089	1,886	71.8	9,700
Charles City	3,437	3,201	75.4	15,600
Cherokee	2,587	2,450	68.8	14,700
Clarinda	1,962	1,852	69.6	11,700
Clarion	1,164	1,079	74.1	12,000
Clear Lake City	2,650	2,248	73.8	16,000
Clinton	11,868	11,277	72.2	14,200
Clive	936	894	56.5	25,900
Coralville	2,199	2,106	34.2	21,300
Council Bluffs	19,750	18,948	71.6	12,500
Cresco	1,440	1,381	82.9	11,500
Creston	3,229	3,020	72.9	11,100
Davenport	33,466	31,654	64.6	18,000
Decorah	2,123	2,071	67.0	15,800
Denison	2,167	2,064	67.9	15,200
Des Moines	72,349	68,506	66.3	14,700
DeWitt	1,290	1,221	71.2	17,700
Dubuque	18,030	17,370	69.0	18,100
Dyersville	1,009	978	80.1	16,800
Eagle Grove	1,599	1,495	74.8	10,900
Eldora	1,151	1,096	77.6	14,100
Emmetsburg	1,445	1,332	76.2	12,600
Estherville	2,644	2,523	75.1	13,600
Evansdale	1,462	1,359	77.3	9,700
Fairfield	3,237	2,996	47.5	14,600
Forest City	1,289	1,199	73.4	15,800
Fort Dodge	10,693	10,112	66.2	15,700
Fort Madison	4,998	4,654	70.4	12,900
Glenwood	1,263	1,208	68.3	14,500
Grinnell	2,792	2,686	66.3	14,800
Grundy Center	1,033	1,002	76.5	14,900
Hampton	1,764	1,619	73.7	14,400
Harlan	1,778	1,693	76.3	15,100
Hawarden	997	937	75.9	11,000
Humbolt	1,611	1,532	75.9	17,100
Independence	2,074	1,974	74.0	12,200
Indianola	2,833	2,714	73.4	17,900
Iowa City	15,481	14,766	45.9	22,800
Iowa Falls	2,259	2,122	68.3	14,700
Jefferson	1,824	1,724	75.4	13,100
Keokuk	5,309	5,007	72.3	9,800
Knoxville	2,506	2,365	70.3	13,200
Lamoni	708	649	88.8	10,500
Le Claire	765	721	80.2	16,200
Le Mars	2,603	2,534	69.4	16,600
Manchester	1,704	1,612	71.4	14,100
Maquoketa	2,090	1,984	69.8	13,400
Marion	5,522	5,332	79.1	19,300
Marshalltown	9,127	8,765	69.8	15,400
Mason City	10,710	10,270	70.1	14,500
Missouri Valley	1,223	1,178	71.7	9,600
Monticello	1,169	1,128	76.7	15,500
Mount Pleasant	2,396	2,262	67.7	16,300
Mount Vernon	716	693	68.8	16,500
Muscatine	7,742	7,401	69.5	14,900
Nevada	1,792	1,703	71.3	15,600
New Hampton	1,216	1,181	76.1	14,700
Newton	5,625	5,401	73.2	13,600
Oelwein	2,817	2,661	78.6	11,400
Onawa	1,211	1,130	71.4	9,900
Orange City	1,154	1,100	81.1	15,600
Osage	1,386	1,332	81.2	13,100
Osceola	1,376	1,277	75.9	10,300
Oskaloosa	4,292	4,028	69.9	10,800
Ottumwa	11,158	10,487	73.5	9,600
Pella	2,132	2,063	76.8	16,700
Perry	2,650	2,479	68.3	11,500
Red Oak	2,537	2,386	70.4	13,100
Rock Rapids	1,018	961	78.5	13,100
Sac City	1,205	1,146	72.9	12,200
Sheldon	1,597	1,521	76.5	13,500
Shenandoah	2,444	2,328	64.9	11,500
Sibley	1,031	969	81.4	12,000
Sioux Center	957	938	81.7	15,000
Sioux City	29,197	27,619	68.2	13,300
Spencer	3,689	3,527	66.1	15,800
Spirit Lake	1,196	1,056	73.9	15,200
Storm Lake	2,933	2,819	69.0	16,800
Tama	1,083	1,024	77.5	11,100
Tipton	1,067	1,026	71.8	14,100
Urbandale	4,276	4,037	79.5	23,800
Vinton	1,770	1,700	75.4	12,000
Washington	2,441	2,300	72.3	12,500
Waterloo	25,301	24,165	72.5	15,400
Waukon	1,369	1,304	72.9	12,500
Waverly	2,267	2,135	69.6	17,600
Webster City	3,073	2,922	68.8	14,900
West Burlington	1,045	1,003	86.1	14,600
West Des Moines	5,061	4,864	82.2	21,600
West Union	953	899	77.6	13,400
Windsor Heights	2,040	2,000	84.0	27,900
Winterset	1,478	1,417	71.6	12,000

Source 1970 Census of Housing, U.S. Department of Commerce, Bureau of the Census

median value of housing units, Iowa

1970	Owner Occupied	Vacant & for Sale	With All Plumbing		Contract Rent	
			Owner Occupied	Vacant & for Sale	Renter Occupied	Vacant & for Rent
Iowa	$13,900	$11,600	$14,200	$13,000	$77	$73
Inside SMSA's	16,300	15,900	16,500	16,400	90	90
Outside SMSA's	12,000	9,300	12,400	11,100	69	62
Urban	15,400	14,500	15,600	15,200	83	80
Rural	10,100	6,500	10,600	8,400	58	52

Source: "1970 General Housing Characteristics," Aug. 1971, U.S. Department of Commerce, Bureau of the Census

housing units by county, 1970

Counties	Total Housing Units	Occupied Housing Units			
		Owner Occupied		Renter Occupied	
		Total	Median Value (Dollars)	Total	Median Contract Rent (Dollars)
Adair	3,645	2,548	8,200	753	55
Adams	2,381	1,637	6,900	547	47
Allamakee	5,233	3,522	11,400	1,020	58
Appanoose	6,120	4,155	6,500	1,200	56
Audubon	3,394	2,407	10,700	740	56
Benton	7,925	5,483	10,800	1,874	63
Black Hawk	41,513	29,085	15,900	10,553	85
Boone	9,186	6,371	11,000	2,278	67
Bremer	7,220	5,282	15,400	1,579	75
Buchanan	7,049	4,883	10,400	1,472	63
Buena Vista	7,242	4,711	13,200	2,078	69
Butler	5,850	4,190	11,000	1,330	57
Calhoun	5,580	3,427	9,100	1,399	54
Carroll	7,213	4,926	12,300	1,854	61
Cass	6,440	4,218	11,400	1,715	63
Cedar	6,064	4,048	13,200	1,613	69
Cerro Gordo	17,920	11,578	14,200	4,701	71
Cherokee	5,889	3,746	12,600	1,751	64
Chickasaw	4,792	3,491	11,800	1,007	67
Clarke	2,988	2,108	8,500	598	60
Clay	6,663	4,027	13,800	2,069	69
Clayton	7,450	5,124	10,000	1,428	52
Clinton	18,747	13,012	14,300	4,695	84
Crawford	6,436	4,264	11,200	1,767	66
Dallas	9,146	6,222	11,900	2,381	67
Davis	3,066	2,211	9,200	580	59
Decatur	3,624	2,402	6,400	796	54
Delaware	6,261	4,009	10,900	1,318	60
Des Moines	16,893	11,401	13,900	4,292	80
Dickinson	8,366	3,136	13,200	1,199	63
Dubuque	25,280	17,777	17,800	6,502	76
Emmet	4,676	3,099	12,100	1,226	65
Fayette	8,967	6,554	10,500	1,810	62
Floyd	6,882	4,852	13,800	1,540	66
Franklin	4,999	3,251	11,800	1,320	57
Fremont	3,454	2,229	7,300	1,008	49
Greene	4,798	3,052	10,000	1,351	61
Grundy	4,868	3,302	13,100	1,351	64
Guthrie	4,766	3,169	8,000	1,055	54
Hamilton	6,605	4,159	12,500	2,000	66
Hancock	4,717	3,084	10,300	1,255	60
Hardin	8,056	5,413	12,100	2,045	63
Harrison	5,793	3,883	8,500	1,532	58
Henry	6,430	4,386	12,400	1,531	71
Howard	3,925	2,946	9,600	681	48
Humboldt	4,325	2,829	12,500	1,173	67
Ida	3,250	2,149	10,900	882	59
Iowa	5,231	3,778	11,700	1,187	62
Jackson	6,868	4,693	11,900	1,577	63
Jasper	12,255	8,561	12,200	3,048	72
Jefferson	5,738	3,716	12,400	1,541	72
Johnson	23,654	11,691	22,000	10,800	115
Jones	6,249	4,414	12,600	1,535	68
Keokuk	5,242	3,810	6,800	885	52
Kossuth	7,386	4,821	10,600	2,105	62
Lee	14,890	10,480	11,700	3,473	69
Linn	54,137	36,552	18,100	14,303	103
Louisa	3,970	2,640	9,900	816	57
Lucas	4,014	2,745	8,600	837	56
Lyon	4,363	2,948	10,000	1,142	55
Madison	4,245	2,950	10,600	1,013	56
Mahaska	8,247	5,495	9,900	2,048	63
Marion	8,594	6,155	12,600	1,975	66
Marshall	13,986	9,461	14,300	3,825	83
Mills	3,922	2,621	10,000	1,036	63
Mitchell	4,335	3,175	11,100	863	56
Monona	4,511	2,908	8,100	1,225	49
Monroe	3,481	2,435	7,600	737	54
Montgomery	4,996	3,284	10,600	1,337	59
Muscatine	12,728	8,400	14,500	3,440	72
O'Brien	6,099	4,156	10,900	1,513	58
Osceola	2,958	1,925	9,700	813	55
Page	7,128	4,564	10,200	2,007	58
Palo Alto	4,764	2,966	9,700	1,132	57
Plymouth	7,563	5,034	13,700	2,133	66
Pocahontas	4,459	2,825	10,000	1,241	55
Polk	98,325	65,003	16,100	28,412	98
Pottawattamie	28,121	19,508	12,600	7,268	78
Poweshiek	6,694	4,199	11,600	1,770	67
Ringgold	2,781	1,844	5,700	462	47
Sac	5,758	3,575	10,300	1,505	58
Scott	46,397	30,166	18,800	13,856	99
Shelby	4,953	3,363	12,000	1,268	64
Sioux	8,412	6,128	12,400	1,902	59
Story	19,062	10,815	19,200	7,481	90
Tama	7,115	4,903	10,700	1,650	57
Taylor	3,551	2,573	6,400	650	47
Union	5,184	3,575	9,800	1,199	62
Van Buren	3,426	2,496	6,100	529	43
Wapello	15,478	10,945	9,300	3,407	62
Warren	8,425	6,303	16,900	1,616	83
Washington	6,634	4,491	11,500	1,645	65
Wayne	3,499	2,513	6,300	624	48
Webster	16,314	10,447	14,500	4,835	76
Winnebago	4,526	3,068	12,500	1,156	60
Winneshiek	6,434	4,604	11,800	1,454	68
Woodbury	35,127	22,816	12,900	10,018	72
Worth	3,334	2,272	10,500	767	54
Wright	6,410	4,015	11,200	1,729	62

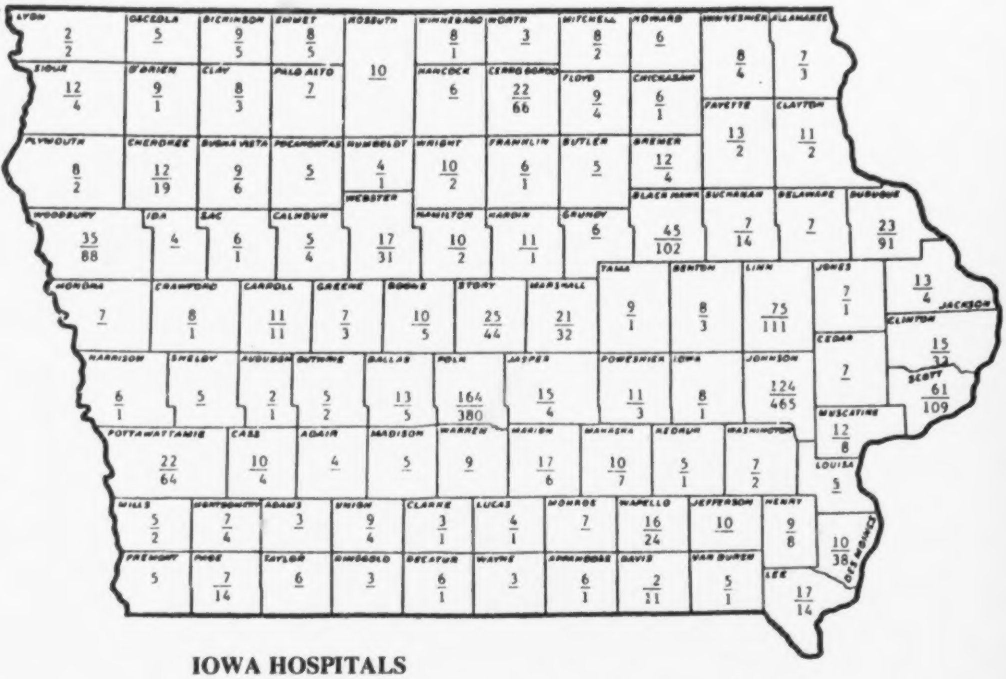
Source: U.S. Bureau of the Census, Census of Housing: 1970, "General Housing Characteristics," Final Report, Iowa, Table 29.

Iowans have ready access to health care

NUMBER OF PHYSICIANS (M.D.'s and D.O.'s) BY COUNTY AND TYPE OR PRACTICE
IOWA, 1977

Key:	Example: Woodbury
General Practice	35
Specialists	88

General Practice	1,310
Specialists	1,910
Type of Practice not stated	125
	3,345


LYON
2
2
OSCEOLA
5
DICKINSON
9
5
EMMET
8
5
KOSSUTH
10
WINNEBAGO
8
1
WORTH
3
MITCHELL
8
2
HOWARD
6
WINNESHIEK
8
4
ALLAMAKEE
7
3
SIOUX
12
4
O'BRIEN
9
1
CLAY
8
3
PALO ALTO
7
HANCOCK
6
CERRO GORDO
22
66
FLOYD
9
4
CHICKASAW
6
1
FAYETTE
13
2
CLAYTON
11
2
PLYMOUTH
8
2
CHEROKEE
12
19
BUENA VISTA
9
6
POCAHONTAS
5
HUMBOLDT
4
1
WRIGHT
10
2
FRANKLIN
6
1
BUTLER
5
BREMER
12
4
WOODBURY
35
88
IDA
4
SAC
6
1
CALHOUN
5
4
WEBSTER
17
31
HAMILTON
10
2
HARDIN
11
1
GRUNDY
6
BLACK HAWK
45
102
BUCHANAN
7
14
DELAWARE
7
DUBUQUE
23
91
MONONA
7
CRAWFORD
8
1
CARROLL
11
11
GREENE
7
3
BOONE
10
5
STORY
25
44
MARSHALL
21
32
TAMA
9
1
BENTON
8
3
LINN
75
111
JONES
7
1
13
4
JACKSON
CLINTON
15
32
HARRISON
6
1
SHELBY
5
AUDUBON
2
1
GUTHRIE
5
2
DALLAS
13
5
POLK
164
380
JASPER
15
4
POWESHIEK
11
3
IOWA
8
1
JOHNSON
124
465
CEDAR
7
SCOTT
61
109
POTTAWATTAMIE
22
64
CASS
10
4
ADAIR
4
MADISON
5
WARREN
9
MARION
17
6
MAHASKA
10
7
KEOKUK
5
1
WASHINGTON
7
2
MUSCATINE
12
8
LOUISA
5
MILLS
5
2
MONTGOMERY
7
4
ADAMS
3
UNION
9
4
CLARKE
3
1
LUCAS
4
1
MONROE
7
WAPELLO
16
24
JEFFERSON
10
HENRY
9
8
DES MOINES
10
38
FREMONT
5
PAGE
7
14
TAYLOR
6
RINGGOLD
3
DECATUR
6
1
WAYNE
3
APPANOOSE
6
1
DAVIS
2
11
VAN BUREN
5
1
LEE
17
14

Source: Iowa Hospital Association and Iowa Department of Health.

IOWA HOSPITALS

▲ ACUTE GENERAL HOSPITALS (137)
● NON-ACUTE HOSPITALS (7)

Source: Iowa Hospital Association.

discharges in IOWA hospitals, by disease code per 10,000 population[1] 1977

Condition	00-14		15-44		45-64		65+		ALL AGES	
	Value	Rank	Value	Rank	Value	Rank	Value	Rank	Value	Rank
Infective/Parasitic	63.5	4	50.1	12	35.1	21	81.1	17	54.3	13
Malignant Neoplasms	6.3	17	17.8	22	133.1	5	347.5	2	80.2	8
Benign/Unspec. Neoplasms	5.6	19	33.5	15	52.0	15	44.0	25	31.8	23
Diabetes Mellitus	4.3	22	11.8	26	35.4	20	73.4	19	22.5	27
Other Endo., Nutr., Metabol.	5.9	18	8.7	28	17.8	29	19.9	29	11.3	31
Mental/Personality	24.6	11	110.6	5	116.0	7	94.7	14	88.8	6
Eye/Visual Impairment	17.0	13	7.9	29	37.2	18	149.6	10	34.1	21
Nervous/Sense Organs	42.4	9	51.4	9	96.2	8	121.3	11	67.1	11
Heart, Nec.	1.7	25	19.2	21	193.5	1	531.4	1	115.3	5
Hypertensive, Nec.	0.4	31	4.9	32	23.6	28	27.3	26	10.4	32
Cerebrovascular	0.6	30	3.2	33	34.9	22	225.8	5	37.4	17
Varicose Veins	0.0	34	3.1	34	9.2	31	10.8	31	4.6	34
Hemorrhoids	0.0	33	6.8	30	11.0	30	11.2	30	6.5	33
Other Circulatory	5.2	20	25.1	19	80.4	10	166.8	9	49.4	15
Upper Respiratory	117.1	2	42.2	13	26.4	27	21.3	27	54.5	12
Other Respiratory	132.9	1	62.9	8	134.2	4	274.8	4	121.2	4
Ulcer-Stomach/Duodenum	0.7	27	13.3	25	29.7	24	58.4	20	19.3	28
Appendicitis	22.0	12	26.7	18	8.1	32	3.8	32	19.0	29
Hernia of Abdominal Cav.	26.3	10	17.8	23	59.5	11	82.5	16	36.4	18
Gallbladder	0.2	32	30.0	17	56.1	14	90.2	15	35.7	20
Other Digestive	45.3	8	132.7	3	169.4	2	298.2	3	140.1	3
Male Genital Disorders	7.6	16	10.2	27	33.1	23	102.4	13	25.9	25
Female Genital Disorders	3.9	24	118.0	4	116.9	6	45.1	24	80.8	7
Other Genitourinary	51.1	7	50.3	10	85.8	9	172.0	8	73.1	10
Deliveries	0.7	28	373.1	1	0.0	34	0.3	33	160.9	2
Comp. Pregnancy/Puerper.	1.1	26	83.4	6	0.5	33	0.0	34	36.3	19
Skin/Subcutaneous Tissue	14.8	14	23.3	20	28.2	25	58.4	21	26.7	24
Arthritis	0.7	29	5.2	31	39.9	17	103.1	12	23.6	26
Bones and Joints, Nec.	3.9	23	31.2	16	56.8	13	55.9	22	32.9	22
Other Musculoskeletal	4.8	21	15.4	24	26.6	26	20.3	28	15.7	30
Fractures/Dislocations	60.5	5	63.2	7	56.8	12	196.8	7	78.4	9
Other Current Injuries	92.9	3	204.4	2	145.3	3	203.1	6	165.5	1
All Other Conditions	58.1	6	41.3	14	49.1	16	75.5	18	51.3	14
Misspecified	10.4	15	50.3	11	36.7	19	47.5	23	37.6	16

[1] Annualized.

Source: Iowa Department of Health.

hospitals in the midwest

State	Total Beds Per 1,000 Population	Per Capita Personal Income	Occupancy Rate %	Avg. Length of Stay Days	Admission Per 1,000 Population
UNITED STATES	4.5	7,019	73.8	7.6	160
IOWA	5.8	6,878	66.5	7.5	189
Illinois	5.0	7,768	75.6	8.0	171
Minnesota	5.9	7,129	70.1	8.8	174
Missouri	5.7	6,654	74.4	8.3	184
Nebraska	6.0	6,720	66.1	8.0	179
South Dakota	5.6	5,957	62.3	7.1	179
Wisconsin	5.0	6,890	69.3	8.0	159

Source: Selected Community Hospital Indicators, 1977 American Hospital Association.

Iowa medical statistics[1]
licensed medical professionals in Iowa

Chiropractors	1,257
Dentists	2,517
Dental Hygienists	916
LPN's	10,327
MD's	6,695
Optometrists	507
Osteopathic Physicians	303
Osteopathic Physicians and Surgeons	628
Physical Therapists	584
Podiatrists	1,148
RN's	27,114

[1] Estimated as of November 1979.

Sources: Board of Medical Examiners, Iowa Board of Nursing, Licensing and Certification Division, Iowa Department of Health.

crime rates[1] selected midwest states, 1978

State	Murder& Manslaughter	Forcible Rape	Robbery	Aggravated Assault	Burglary	Larceny-Theft	Motor Vehicle Theft
United States[2]	9.0	30.8	191.3	256	1,424	2,744	455
Iowa	2.6	10.4	46.9	102	871	2,713	235
Illinois	9.9	23.8	205.0	227	1,339	2,902	511
Indiana	6.2	27.0	121.4	169	1,108	2,478	411
Ohio	6.9	27.4	182.6	196	1,215	2,630	402
Wisconsin	2.5	14.5	49.9	65	846	2,672	230
Kansas	5.7	25.0	93.7	194	1,287	2,691	248
Minnesota	2.0	19.9	85.1	83	1,094	2,536	325
Missouri	10.4	28.0	184.0	246	1,345	2,346	369
Nebraska	3.0	18.3	64.9	104	747	2,287	217
South Dakota	1.9	10.9	15.9	135	600	1,766	160

[1] Offenses known to the police per 100,000 population.
[2] Includes District of Columbia.
Source: Statistical Abstract of the U.S., U.S. Federal Bureau of Investigation, "Uniform Crime Reports for the U.S.," annual.

total crimes reported by county, 1977-1978

County	Total Crimes		Violent Crimes		Property Crimes	
	1977	1978	1977	1978	1977	1978
Adair	158	148	5	0	153	148
Adams	134	110	2	1	132	109
Allamakee	267	280	8	1	259	279
Appanoose	478	475	9	7	469	468
Audubon	140	128	2	3	138	125
Benton	361	343	7	14	354	329
Blackhawk	6,810	8,148	285	340	6,525	7,808
Boone	838	805	27	6	811	799
Bremer	292	414	3	15	289	399
Buchanan	664	661	5	8	659	653
Buena Vista	497	529	1	7	496	522
Butler	210	223	2	4	208	219
Calhoun	235	258	0	0	235	258
Carroll	432	410	2	16	430	394
Cass	399	399	1	1	398	398
Cedar	246	236	7	4	239	232
Cerro Gordo	3,019	3,143	34	99	2,985	3,044
Cherokee	379	323	6	5	373	318
Chickasaw	179	204	6	0	173	204
Clarke	177	281	3	1	174	280
Clay	839	740	18	15	821	725
Clayton	179	227	10	10	169	217
Clinton	2,610	2,615	83	76	2,527	2,539
Crawford	220	218	19	7	201	211
Dallas	593	637	7	13	586	624
Davis	188	149	3	1	185	148
Decatur	273	241	2	3	271	238
Delaware	186	340	14	22	172	318
Des Moines	2,352	2,211	92	109	2,260	2,102
Dickinson	369	373	2	4	367	369
Dubuque	3,749	4,091	73	94	3,676	3,997
Emmet	178	242	10	14	168	228
Fayette	679	630	34	40	645	590
Floyd	313	313	4	4	309	309
Franklin	222	202	7	8	215	194
Fremont	163	147	2	9	161	138
Greene	366	252	2	0	364	252
Grundy	107	100	6	5	101	95
Guthrie	181	140	8	6	173	134
Hamilton	527	527	3	8	524	519
Hancock	284	214	14	4	270	210
Hardin	451	525	20	12	431	513
Harrison	350	290	2	3	348	287
Henry	361	244	4	2	357	242
Howard	138	148	1	1	137	147
Humboldt	265	269	2	9	263	260
Ida	135	135	2	3	133	132
Iowa	273	213	3	3	270	210
Jackson	324	303	6	2	318	301
Jasper	1,146	1,184	26	13	1,120	1,171
Jefferson	429	420	5	1	424	419
Johnson	4,289	4,437	175	171	4,114	4,266
Jones	362	295	4	0	358	295
Keokuk	249	185	2	2	247	183
Kossuth	434	390	2	5	432	385
Lee	1,729	1,949	29	30	1,700	1,919
Linn	10,834	10,423	404	399	10,430	10,024
Louise	366	358	4	9	362	349
Lucas	253	265	16	18	237	247
Lyon	62	63	2	2	60	61
Madison	122	151	2	1	120	150
Mahaska	798	913	28	19	770	894
Marion	669	786	16	18	653	768
Marshall	1,535	1,442	37	40	1,498	1,402
Mills	472	387	18	12	454	375
Mitchell	192	149	2	1	190	148
Monona	97	118	1	1	96	117
Monroe	245	330	4	3	241	327
Montgomery	317	294	1	2	316	292
Muscatine	1,172	1,463	23	28	1,149	1,435
O'Brien	304	286	7	11	297	275
Osceola	90	92	1	4	89	88
Page	453	548	22	7	431	541
Palo Alto	305	303	2	2	303	301
Plymouth	321	335	2	0	319	335
Pocahontas	142	101	5	2	137	99
Polk	19,698	21,782	1,093	1,402	18,605	20,380
Pottawattamie	6,405	6,216	258	366	6,147	5,850
Poweshiek	424	349	6	4	418	345
Ringgold	106	86	1	0	105	86
Sac	168	169	1	3	167	166
Scott	8,330	8,909	568	622	7,762	8,287
Shelby	301	261	1	1	300	260
Sioux	241	190	15	3	226	187
Story	2,576	2,668	87	81	2,489	2,587
Tama	344	353	15	6	329	347
Taylor	89	73	0	0	89	73
Union	429	363	15	11	414	352
Van Buren	49	29	1	2	48	27
Wapello	1,315	1,249	38	26	1,277	1,223
Warren	805	979	25	45	780	934
Washington	614	466	25	17	589	449
Wayne	133	108	0	3	133	105
Webster	2,152	2,298	13	18	2,139	2,280
Winnebago	316	277	33	15	283	262
Winneshiek	411	481	16	12	395	469
Woodbury	5,702	5,619	199	198	5,503	5,421
Worth	190	149	4	3	186	146
Wright	300	353	10	14	290	339
IOWA	111,275	115,348	4,132	4,672	107,143	110,676

Source: Iowa Uniform Crime Reports-1978, Iowa Department of Public Safety.

crimes reported by county, 1978

County	Violent Crimes				Property Crimes		
	Murder	Rape	Robbery	Assault	Burglary	Larceny	M.V. Theft
Adair	0	0	0	0	47	97	4
Adams	0	0	0	1	22	83	4
Allamakee	0	0	0	1	51	202	26
Appanoose	0	1	0	6	132	304	32
Audubon	0	0	1	2	21	96	8
Benton	1	1	8	4	101	194	34
Black Hawk	1	17	141	181	1,477	5,941	390
Boone	1	1	1	3	159	601	39
Bremer	0	0	0	15	87	299	13
Buchanan	0	0	2	6	253	362	38
Buena Vista	0	0	2	5	63	442	17
Butler	0	0	1	3	73	135	11
Calhoun	0	0	0	0	91	159	8
Carroll	0	1	1	14	82	268	44
Cass	0	0	0	1	104	266	28
Cedar	0	1	1	2	79	129	24
Cerro Gordo	2	4	9	84	640	2,236	168
Cherokee	0	0	2	3	71	230	17
Chickasaw	0	0	0	0	39	156	9
Clarke	0	0	0	1	65	193	22
Clay	1	0	0	14	159	525	41
Clayton	0	2	0	8	48	152	17
Clinton	1	5	14	56	422	1,959	158
Crawford	0	0	0	7	27	173	11
Dallas	0	1	1	11	196	404	24
Davis	0	0	0	1	88	42	18
Decatur	0	0	1	2	99	129	10
Delaware	1	1	1	19	101	207	10
Des Moines	0	4	15	90	366	1,654	82
Dickinson	0	0	0	4	81	263	25
Dubuque	0	3	38	53	720	3,023	254
Emmet	0	0	0	14	25	196	7
Fayette	0	0	1	39	125	437	28
Floyd	2	0	0	2	87	215	7
Franklin	0	1	0	7	55	130	9
Fremont	0	0	0	9	29	98	11
Greene	0	0	0	0	94	153	5
Grundy	0	2	0	3	23	65	7
Guthrie	0	0	0	6	37	87	10
Hamilton	0	1	2	5	150	336	33
Hancock	0	1	0	3	65	136	9
Hardin	0	1	2	9	64	416	33
Harrison	0	0	2	1	102	159	26
Henry	1	0	0	1	79	151	12
Howard	0	0	0	1	24	117	6
Humboldt	0	3	3	3	70	177	13
Ida	0	0	0	3	46	82	4
Iowa	0	0	1	2	49	152	9
Jackson	0	0	0	2	56	222	23
Jasper	0	0	3	10	288	819	64

crimes reported by county, 1978 (continued)

	Violent Crimes				Property Crimes		
County	Murder	Rape	Robbery	Assault	Burglary	Larceny	M.V. Theft
Jefferson	0	0	1	0	76	329	14
Johnson	2	12	26	131	929	3,128	209
Jones	0	0	0	0	55	220	20
Keokuk	0	0	1	1	62	109	12
Kossuth	0	1	0	4	91	276	18
Lee	0	0	17	13	494	1,301	124
Linn	4	25	98	272	2,369	7,038	617
Louisa	0	2	0	7	107	228	14
Lucas	0	0	0	18	75	160	12
Lyon	1	0	1	0	27	30	4
Madison	0	0	0	1	54	90	6
Mahaska	0	4	4	11	263	561	70
Marion	0	1	3	14	210	497	61
Marshall	1	2	16	21	268	1,063	71
Mills	2	6	4	0	123	236	16
Mitchell	0	0	0	1	28	113	7
Monona	0	1	0	0	35	75	7
Monroe	1	0	1	1	90	218	19
Montgomery	0	1	0	1	55	230	7
Muscatine	1	1	5	21	368	953	114
O'Brien	0	2	0	9	57	210	8
Osceola	0	0	0	4	7	76	5
Page	0	0	1	6	104	420	17
Palo Alto	0	0	1	1	119	158	24
Plymouth	0	0	0	0	39	275	21
Pocahontas	0	0	0	2	46	49	4
Polk	31	86	488	797	3,685	15,285	1,410
Pottawattamie	5	21	96	244	1,824	3,577	449
Poweshiek	0	0	0	4	92	238	15
Ringgold	0	0	0	0	71	8	7
Sac	0	0	0	3	45	115	6
Scott	6	44	236	336	2,507	5,359	421
Shelby	0	0	0	1	50	197	13
Sioux	0	0	0	3	45	126	16
Story	1	7	10	63	395	2,064	128
Tama	0	1	0	5	115	214	18
Taylor	0	0	0	0	19	47	7
Union	1	0	3	7	101	234	17
Van Buren	0	0	1	1	9	18	0
Wapello	3	0	12	11	372	726	125
Warren	0	2	6	37	267	617	50
Washington	0	1	2	14	144	285	20
Wayne	0	0	2	1	34	61	10
Webster	0	0	13	5	538	1,525	217
Winnebago	0	1	1	13	51	182	29
Winneshiek	0	2	1	9	76	375	18
Woodbury	2	25	56	115	1,077	3,950	394
Worth	0	2	0	1	66	71	9
Wright	0	1	0	13	77	242	20
IOWA	72	302	1,359	2,939	25,243	78,631	6,802

Source: Iowa Uniform Crime Reports–1978, Iowa Dept. of Public Safety.

service industries in Iowa, 1977

SIC Code	Kind of business[1]	All establishments[2] (number)	Receipts[2] ($1,000)	Payroll entire year ($1,000)	Paid employees for week including March 12 (number)	Percent change 1972 to 1977	
						Receipts[3]	Payroll entire year
	Selected service industries[4]	27,340	1,560,446	408,850	60,198	72.3	78.1
701, 3	Hotels, motels, trailering parks, and camps	957	153,774	40,254	10,275	76.9	84.2
701	Hotels, motor hotels, and motels	754	148,686	39,935	10,240	79.0	85.4
72	Personal services	9,838	230,494	59,388	10,574	33.6	33.2
721	Laundry, cleaning, and garment services	848	61,803	19,327	3,334	23.2	14.7
722	Photographic studios, portrait	526	16,011	2,536	390	45.9	44.0
723	Beauty shops	3,773	64,481	22,100	4,171	41.6	46.3
724	Barber shops	1,098	15,595	1,900	250	16.0	36.9
726	Funeral service and crematories	434	46,433	9,547	1,149	16.5	33.6
73	Business services	5,315	347,400	118,080	16,020	93.0	90.3
731	Advertising[5]	310	25,438	9,863	808	80.4	95.6
734	Services to dwellings and other buildings	764	31,529	15,316	2,883	129.0	159.0
737	Computer and data processing services	95	53,725	18,071	1,775	(D)	275.5
7392	Management, consulting, and public relations services	958	50,629	16,737	1,730	74.7	150.2
7394	Equipment rental and leasing services	254	25,237	5,866	484	131.5	(D)
75	Automotive repair, services, and garages	3,429	281,059	52,143	5,641	89.1	97.5
751	Automotive rental and leasing, without drivers	165	78,314	9,400	889	104.9	105.1
752	Automobile parking	63	4,174	864	126	30.5	39.4
753	Automobile repair shops	2,743	177,000	38,094	3,982	80.5	95.0
754	Automotive services, except repair	458	21,571	3,785	644	136.8	127.7
76	Miscellaneous repair services	3,022	125,286	26,883	2,926	82.9	119.7
762	Electrical and electronic repair, except computers	825	41,598	9,345	973	65.5	130.3
78, 79	Amusement and recreation services, including motion pictures	2,360	154,347	29,430	7,322	55.1	28.5
781, 2	Motion picture production, distribution, and services	50	24,245	2,647	237	(D)	173.2
783	Motion picture theaters	215	29,369	5,046	1,776	28.1	(D)
792	Producers, orchestras, and entertainers	818	8,901	1,180	372	109.7	(D)
7933	Bowling alleys	231	34,198	8,077	2,298	72.9	69.7
8072	Dental laboratories	76	9,923	4,599	432	83.8	82.8
81	Legal services[6]	1,878	166,467	33,087	4,154	63.9	125.9
891	Engineering, architectural, and surveying services	465	91,696	44,986	2,854	114.2	100.8

Note: Percentages are based on current dollars for both 1972 and 1977 with no adjustment for price increases.

(D) Withheld to avoid disclosing data for individual companies.

[1] All kind-of-business classifications are not shown separately; therefore, detail does not add to totals.

[2] For all establishments, including those with no payroll.

[3] Comparability of data for specific kinds of business may be affected by inclusion of sales (or other) taxes in 1972 but not in 1977.

[4] Data shown only for establishments subject to Federal income tax. Comparability of data may be affected by inclusion of some tax-exempt establishments in 1972 data.

[5] Total receipts reflect commissions, fees, and other income of advertising agencies rather than gross billings as in previous censuses. Percent change reflects adjustment for comparability.

[6] Includes associations of professionals formed solely to share payroll and other expenses, not covered in prior censuses. Percent change in payroll does not reflect adjustment for comparability.

Source: 1977 Census of Service Industries, U.S. Department of Commerce, Bureau of the Census. Preliminary Report, issued August, 1979.

communications media in Iowa

	1960	1965	1970	1975	1976	1977	1978
Telephones in use[3]							
Business	243,406	284,000	381,747	465,365	487,666	521,531	518,470
Residential	892,627	1,044,000	1,242,500	1,521,913	1,576,075	1,622,821	1,663,311
Total	1,136,033	1,328,000	1,624,247	1,987,278	2,063,741	2,144,352	2,181,781
Telephones per 100 population	41.2	48.1	57.5	70.4	73.1	74.7	74.5
Households with telephone service (%)	88	95	96	98	98	98	98
Newspapers[2]							
Daily—Number	45[1]	43[1]	43[1]	42	41	40	40[2]
Net paid circulation	944,000	969,000	1,000,000	937,000	895,000	901,000	639,753
Morning—Number	4	4	5	5	4	4	4
Net paid circulation	289,000	301,000	331,000	337,000	319,000	325,000	342,754
Evening—Number	42	41	40	38	38	37	38
Net paid circulation	655,000	668,000	669,000	600,000	576,000	576,000	632,795
Sunday—Number	9	9	9	9	9	9	9
Net paid circulation	831,000	857,000	845,000	788,000	754,000	767,000	764,835
Weeklies—Number	368	356	346	N/A	336	376[3]	342
Net paid circulation	649,832	674,739	688,389	N/A	767,178	770,778	792,837
Commercial broadcast[1]							
Stations—Total	80	94	120	146	N/A	N/A	168
Radio—Total	68	82	108	133	N/A	N/A	153
A.M.	61	68	73	74	74	76	78
F.M.	7	14	35	59	64	71	75
Television	12	12	12	13	14	14	15

Non-Commercial broadcast[1]	
Stations—Total	13
Radio—Total	12
A.M.	4
F.M.	8
Television	1

Cable T.V. Operating in Iowa	Oct. 79
Systems	60[e]
Subscribers	100,000[e]

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[e] (estimated)

[1] Iowa Broadcasters Association Directory (July 1, 1978–June 30, 1979).

[2] Iowa Press Association.

[3] Northwestern Bell Telephone Co., Des Moines, Iowa.

[4] Iowa Cable T.V. Association.

[5] 1979 data.

Iowa retail trade, 1977

		All Establishments					Establishments with Payroll					
SIC Code	Kind of business	Number		Sales[1]		Percent Change 1972-77	Sales[1]		Percent Change 1972-77	Payroll entire year		Percent Change 1972-77
		1977	1972	1977	1972		1977	1972		1977	1972	
	Retail trade[2]	28,737	28,468	9,832,778	5,847,407	68.2	9,520,876	5,651,092	68.5	1,107,386	665,770	66.3
52	Building materials, hardware, garden supply and mobile home dealers	2,184	2,202	800,342	398,255	101.0	777,962	381,080	104.1	93,553	45,556	105.4
521	Lumber and other building materials dealers	788	NA	528,727	NA	NA	522,610	237,932	119.6	62,738	29,423	113.2
525	Hardware stores	788	826	143,043	83,764	70.8	132,104	74,966	76.5	16,406	8,381	95.8
53	General merchandise group stores	921	993	1,163,706	749,796	55.2	1,157,108	744,812	55.4	156,007	107,074	45.7
531	Department stores[3]	155	123	911,279	521,141	74.9	911,279	521,141	74.9	126,035	79,413	58.7
533	Variety stores	300	391	90,577	83,001	9.1	89,350	81,650	9.4	12,137	11,988	1.2
539	Miscellaneous general merchandise stores	466	479	161,850	145,654	11.1	156,479	142,021	10.2	17,835	15,673	13.8
54	Food stores	2,529	2,996	1,969,492	1,234,543	59.5	1,937,120	1,208,586	60.3	181,634	105,383	72.4
541	Grocery stories	1,818	2,156	1,889,452	1,169,928	61.5	1,866,383	1,151,396	62.1	169,254	96,645	75.1
542	Meat and fish (seafood) markets, including freezer provisions	181	229	36,046	31,163	15.7	32,159	28,686	12.1	4,749	3,336	42.4
546	Retail bakeries	211	230	18,261	13,553	34.7	17,477	12,771	36.8	4,946	3,457	43.1
55 ex.												
554	Automotive dealers	2,159	1,971	2,230,804	1,216,838	81.1	2,201,587	1,216,835	80.9	183,843	110,323	66.6
551	Motor vehicle dealers, new and used cars	818	853	1,861,967	1,032,544	80.3	1,861,967	1,031,438	80.5	146,678	90,182	62.6
552	Motor vehicle dealers, used cars only	304	300	62,312	35,206	77.0	49,702	29,361	69.3	3,423	2,042	67.6
554	Gasoline service stations	3,424	4,484	954,073	593,127	60.9	892,689	557,093	60.2	67,406	51,572	30.7
56	Apparel and accessory stories	2,009	1,750	407,632	272,181	49.8	397,463	264,477	50.3	56,047	36,279	54.5
561	Men's and boys' clothing and furnishings stores	429	417	107,547	79,253	35.7	105,748	78,073	35.4	16,400	10,938	49.9
562	Women's ready to wear stores	630	516	130,281	80,355	62.1	128,323	78,617	63.2	17,354	10,947	58.5
565	Family clothing stores	244	223	78,738	48,149	63.5	77,586	46,612	66.5	9,530	5,750	65.7
566	Shoe stores	428	395	67,687	50,043	35.3	65,882	47,988	37.3	9,901	6,715	47.4
57	Furniture, home furnishings and equipment	2,311	1,983	450,162	266,260	69.1	422,580	252,139	67.6	62,019	36,692	69.0
57!	Furniture and home furnishings stores	1,111	890	259,731	150,052	73.1	247,427	144,073	71.7	35,822	21,014	70.5
572	Household appliance stores	401	457	77,653	46,787	66.0	72,842	43,322	68.1	11,318	6,075	86.3
573	Radio, television and music stores	799	636	112,778	69,421	62.5	102,311	64,744	58.0	14,879	9,603	54.9
58	Eating and drinking places	6,193	6,277	806,416	450,670	78.9	774,473	423,773	82.8	182,875	93,259	96.1
5812	Eating places	4,000	4,051	642,187	336,027	91.1	629,452	325,166	93.6	158,557	79,222	100.1
5813	Drinking places (alcoholic beverages)	2,193	2,226	164,229	114,643	43.3	145,021	98,607	47.1	24,318	14,037	73.2
591	Drug and propriety stores	708	778	275,047	192,125	43.2	273,457	189,511	44.3	36,811	26,458	39.1
59 ex.												
591	Miscellaneous retail stores[3]	6,299	5,034	755,104	458,688	69.0	686,437	412,783	66.3	87,191	53,174	64.0
592	Liquor stores	315	285	114,167	92,282	23.7	112,030	91,651	22.2	6,965	4,163	67.3
5942	Book stores	169	103	20,895	11,493	81.8	19,199	10,687	79.6	2,617	1,471	77.9
5943	Stationery stores	52	78	8,369	7,426	12.7	8,123	7,262	11.9	1,387	1,202	15.4
5944	Jewelry stores	408	363	61,957	32,466	90.8	58,511	29,892	95.7	9,767	4,786	104.1
5947	Gift, novelty and souvenir shops	410	343	26,905	10,197	163.9	24,267	7,992	203.6	3,244	1,185	173.8
5992	Florists	399	336	34,802	21,032	65.5	32,632	19,639	66.2	6,677	4,183	59.6

[1] Includes sales taxes and finance charges in 1972 but not in 1977.
[2] Excludes nonemployer direct sellers.
[3] Includes sales from catalog order desks.
NA Not available.
Source: Census of Retail Trade, U.S. Dept. of Commerce, Social and Economic Statistics Administration issued August, 1979.

taxable retail sales by county
(thousands)

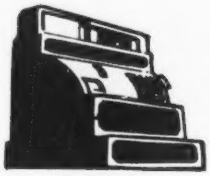
	1974[1]	1975[1]	1976[1]	1977[1]	1978	1979[1]
Adair	$ 24,376	$ 24,068	$ 24,629	$ 29,459	$ 29,434	$ 34,652
Adams	11,241	11,366	11,687	13,069	13,775	15,976
Allamakee	33,884	32,141	33,376	38,933	41,514	47,793
Appanoose	35,806	35,265	37,480	40,515	44,267	51,052
Audubon	20,716	19,642	20,282	23,385	26,776	27,572
Benton	46,178	46,093	48,360	54,165	57,781	66,588
Black Hawk	402,124	417,605	435,270	488,563	560,680	598,904
Boone	57,956	60,394	62,297	69,653	70,673	79,870
Bremer	55,527	57,835	60,683	68,838	75,310	81,560
Buchanan	40,512	41,126	42,705	50,110	54,918	62,115
Buena Vista	63,772	63,471	68,426	75,181	83,840	95,727
Butler	33,635	35,882	39,070	45,138	43,632	49,333
Calhoun	32,024	33,158	34,184	36,594	38,499	45,290
Carroll	70,228	70,011	74,774	83,143	89,758	106,168
Cass	56,255	52,014	53,675	61,775	65,890	76,445
Cedar	37,389	38,348	41,602	47,683	53,237	58,045
Cerro Gordo	165,173	166,629	171,955	194,141	209,957	231,515
Cherokee	42,998	41,031	44,148	49,746	53,739	61,608
Chickasaw	34,584	34,973	36,005	41,319	46,762	52,713
Clarke	20,441	18,549	19,813	24,229	26,062	32,357
Clay	72,715	73,777	80,538	86,759	92,963	105,445
Clayton	42,857	40,597	43,398	49,371	54,532	63,849
Clinton	150,207	146,616	150,603	166,085	182,322	203,943
Crawford	41,867	39,698	41,623	46,803	51,350	60,242
Dallas	63,764	64,721	64,694	77,807	78,783	91,428
Davis	15,946	14,688	14,552	17,667	18,327	21,701
Decatur	16,537	14,287	14,034	15,974	17,382	20,332
Delaware	38,844	37,004	40,359	45,113	49,421	57,645
Des Moines	137,492	132,279	135,787	155,192	177,350	192,748
Dickinson	40,671	43,580	45,759	54,770	59,821	65,431
Dubuque	264,376	261,201	274,041	303,949	20,311	389,423
Emmet	39,227	40,063	40,987	43,863	46,998	52,490
Fayette	65,705	64,637	68,722	79,003	84,654	94,051
Floyd	46,517	47,831	49,571	55,378	61,305	67,802
Franklin	36,935	36,873	38,259	42,099	49,818	55,184
Fremont	15,907	14,662	15,317	18,198	17,480	21,029
Greene	30,772	31,115	32,606	36,125	36,139	43,964
Grundy	32,214	33,662	35,708	39,540	38,279	43,350
Guthrie	23,266	22,203	21,912	25,217	27,931	32,833
Hamilton	48,373	49,468	53,820	55,692	59,144	67,737
Hancock	32,303	34,241	36,507	41,375	43,088	51,087
Hardin	64,525	69,586	73,215	83,973	84,221	100,762
Harrison	34,070	30,268	31,337	34,435	35,869	44,640
Henry	47,087	48,517	51,974	60,881	64,648	69,837
Howard	25,626	25,372	25,387	29,687	32,696	38,183
Humboldt	34,662	36,429	37,130	39,839	41,294	46,996
Ida	24,141	22,943	24,928	25,593	28,513	33,618
Iowa	45,177	45,205	47,585	53,655	57,212	67,374
Jackson	44,168	42,155	42,006	49,763	54,803	63,979
Jasper	90,339	88,171	91,447	104,212	110,458	129,368
Jefferson	40,988	39,012	39,161	45,354	48,974	54,132

taxable retail sales by county (continued)
(thousands)

	1974[1]	1975[1]	1976[1]	1977[1]	1978	1979[1]
Johnson	$ 192,419	$ 193,175	$ 205,262	$ 240,715	$ 268,595	$ 289,911
Jones	45,206	44,116	49,073	55,509	60,263	69,347
Keokuk	25,632	25,049	26,303	32,003	33,841	38,876
Kossuth	59,544	65,651	72,090	78,401	82,343	96,509
Lee	110,417	106,747	113,631	133,718	148,802	165,807
Linn	531,915	547,697	588,899	656,240	728,817	826,831
Louisa	19,407	18,677	18,765	21,573	23,153	25,213
Lucas	24,033	22,446	22,384	23,873	25,901	29,537
Lyon	24,067	23,484	24,657	28,151	30,994	37,621
Madison	22,967	21,365	20,762	25,119	26,710	30,747
Mahaska	66,725	63,302	64,098	74,528	80,033	94,507
Marion	66,943	69,132	69,833	76,452	78,931	91,856
Marshall	125,487	127,730	134,250	145,994	156,431	172,364
Mills	21,002	17,865	18,107	21,246	24,137	28,510
Mitchell	28,637	28,345	28,543	31,924	34,376	41,375
Monona	31,278	30,513	33,516	36,665	38,987	44,727
Monroe	18,290	15,977	16,928	18,801	20,321	23,891
Montgomery	40,577	38,634	39,004	44,074	44,711	50,628
Muscatine	102,669	101,020	107,509	122,276	132,349	147,897
O'Brien	43,810	42,270	46,084	49,528	57,692	64,541
Osceola	18,741	18,654	19,012	20,700	24,402	28,829
Page	58,995	55,357	58,008	67,461	69,122	77,812
Palo Alto	26,904	28,963	30,277	33,378	36,020	41,048
Plymouth	58,545	52,544	58,405	58,951	64,906	74,817
Pocahontas	31,280	31,092	31,207	34,023	34,924	40,477
Polk	1,216,295	1,261,211	1,320,626	1,474,086	1,639,611	1,819,133
Pottawattamie	180,589	159,474	170,560	205,981	226,951	259,504
Poweshiek	49,369	48,292	50,107	55,902	61,149	70,230
Ringgold	12,218	11,024	11,095	14,083	14,124	17,980
Sac	39,756	38,217	39,933	42,598	45,432	51,908
Scott	472,432	493,954	508,681	575,987	664,377	738,275
Shelby	38,711	35,610	36,194	40,058	42,135	52,400
Sioux	69,331	67,751	76,382	82,006	90,761	110,306
Story	160,251	161,680	169,513	199,425	214,753	244,784
Tama	42,393	48,266	45,826	52,362	54,906	63,276
Taylor	15,470	13,771	13,356	16,052	17,500	20,307
Union	39,364	35,240	34,768	41,694	45,619	50,963
Van Buren	13,835	12,082	12,338	13,814	14,734	17,156
Wapello	110,389	102,421	105,032	118,266	123,840	137,808
Warren	41,970	40,117	41,546	48,330	52,767	62,639
Washington	57,067	56,284	62,343	70,675	74,461	82,222
Wayne	15,437	14,281	13,504	15,683	16,771	20,269
Webster	158,166	165,329	174,811	191,540	208,577	227,555
Winnebago	33,523	32,891	33,304	38,918	40,702	45,442
Winneshiek	41,951	41,921	43,176	48,925	55,717	64,565
Woodbury	355,162	350,143	379,391	428,305	446,327	489,381
Worth	18,070	18,464	18,287	20,480	21,425	26,177
Wright	48,059	51,280	55,718	59,698	63,555	71,445
State	$8,022,274	$8,040,975	$8,608,073	$9,695,572	10,599,259	$11,937,333

[1] For 12 months beginning April 1 and ending March 31.
Source: Retail Sales and Use Tax Report, Annual Report Iowa Department of Revenue.

taxable retail sales by product class[1], Iowa (thousands)



	1973[2]	1974[2]	1975[2]	1976[2]	1977[2]	1978[2]	1979[2]
Food Dealers	$1,289,930	$1,469,871	$ 694,125	$ 395,478	$ 442,941	$ 479,186	$ 521,913
Eating and Drinking	320,168	378,993	436,612	638,437	725,120	790,873	885,818
Apparel	220,914	243,721	256,288	280,858	314,885	341,140	369,730
General Merchandise	N/A	N/A	N/A	929,941	1,016,941	1,148,175	1,220,533
Speciality retail	N/A	N/A	N/A	638,963	741,756	819,616	902,409
Home Furnishing	214,718	251,061	284,678	346,303	395,395	435,240	469,590
Motor Vehicle	N/A	N/A	N/A	599,198	651,815	40,184	779,410
Filling Stations	250,994	279,061	304,410	284,837	305,940	322,104	343,920
Auto Dealers & Garage	188,167	219,407	242,218	283,292	311,159	335,992	386,231
Building Materials	N/A	N/A	N/A	624,955	733,536	835,013	929,834
Wholesale goods	N/A	N/A	N/A	1,388,395	1,563,132	1,690,053	2,071,233
Services	433,432	479,402	546,815	860,013	953,322	1,048,011	1,176,384
Utilities & Trans.	N/A	N/A	N/A	1,009,741	1,175,982	1,309,175	1,486,445
Miscellaneous	N/A	N/A	N/A	724,206	790,336	990,435	890,004
Total	$6,973,450	$8,022,274	$8,040,975	$8,608,073	$9,695,572	$10,599,259	$11,937,333

[1] Beginning July 1, 1974, food and drugs were exempt from sales tax. The exemption does not apply to food sold as part of a meal.
[2] For the 12 months beginning April 1 and ending March 31.
Source: Retail Sales and Use Tax Annual Report, Iowa Department of Revenue.

Iowa wholesale trade, 1977

SIC Code	Kind of business	Establishments 1972	Establishments 1977	Sales (000's) 1972	Sales (000's) 1977	Payroll entire year (000's) 1972	Payroll entire year (000's) 1977	Percent change 1972 to 1977 Sales[2]	Percent change 1972 to 1977 Payroll entire year
	Wholesale trade[3]	8,204	7,646	9,969,239	20,078,789	491,445	825,097	101.4	67.9
501	Motor vehicles, automotive parts and supplies	583	647	655,371	1,223,713	40,420	66,302	86.7	64.0
502	Furniture and home furnishings	50	64	64,378	86,129	7,707	10,593	33.8	37.4
503	Lumber and other construction materials	188	185	234,701	447,941	19,579	34,297	90.9	75.2
504	Sporting, recreational, photographic, and hobby goods, toys, and supplies	67	67	55,249	94,251	6,626	7,085	70.6	6.9
505	Metals and minerals, except petroleum	53	66	236,012	283,196	5,863	11,041	20.0	88.3
506	Electrical goods	239	280	324,180	530,144	19,769	35,315	63.5	78.6
507	Hardware, plumbing, heating (equipment and supplies)	268	240	165,242	283,366	18,978	31,060	71.5	63.7
508	Machinery, equipment and supplies	1,550	1,678	1,142,319	2,575,283	115,605	220,477	125.4	90.7
511	Paper and paper products	109	113	80,744	150,785	9,185	16,866	86.7	83.6
512	Drugs and drug propietaries and drug sundries	39	25	56,974	56,916	4,353	3,575	-0.1	-17.9
513	Apparel, piece goods and notions	29	27	26,003	19,022	2,285	1,362	-26.8	-40.4
514	Groceries and related products	468	422	1,523,803	2,532,984	59,448	89,192	66.2	50.0
515	Farm products and raw materials	1,283	1,334	3,386,326	7,498,061	56,312	107,942	121.4	91.7
516	Chemicals and allied products	55	70	36,445	88,654	3,396	7,060	143.3	107.9
517	Petroleum and petroleum products	1,339	717	582,590	1,145,326	33,531	38,774	96.6	15.6
518	Beer, wines and distilled alcoholic beverages	110	113	92,162	157,124	8,057	13,799	70.5	71.3

Note: Percentages are based upon current dollars for both 1972 and 1977 with no adjustment for price increases.
[1] Including merchant wholesalers, manufacturers' sales, branches and offices, and agents, brokers and commission merchants.
[2] Sales taxes and finance charges were included in 1972 but not in 1977.
[3] Including 509 and 519; therefore, detail will not add to total.
Source: Census of Wholesale Trade, U.S. Department of Commerce, Business Division, issued October, 1979.

mineral production, Iowa[1]

Quantity (Short Tons)

	1960	1965	1970	1974	1975	1976	1977	1978
Cement								
Portland	2,276,000	2,565,000	2,396,000	2,424,000	2,225,000	2,440,000	2,645,000	2,743,000
Masonry	57,700	85,000	72,800	65,000	62,000	88,000	86,000	91,000
Clays	1,022,000	1,085,000	1,181,000	960,000	959,000	1,559,000	883,000	845,000
Coal (Bituminous)	1,068,000	1,043,000	987,457	590,000	622,000	600,000	500,000	432,000
Gypsum	1,283,000	1,254,000	1,135,886	1,397,000	1,208,000	1,500,000	1,593,000	1,873,000
Sand and Gravel	14,692,000	18,205,000	21,058,000	17,091,000	15,210,000	14,177,000	16,600,000	17,000,000
Stone	23,185,000	25,891,000	25,305,000	32,342,000	30,360,000	28,170,000	29,183,000	29,900,000

[1] Production is measured by mine shipments, sales, or marketable production (includes consumption by producers).

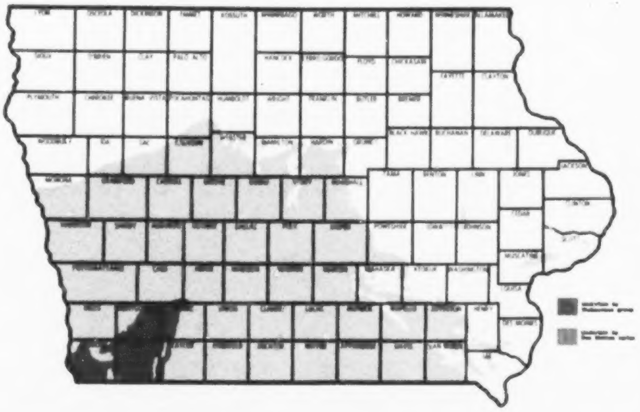
Source: U.S. Department of the Interior, Bureau of Mines, "Minerals Yearbook, Volume III," 1960; 1965 through 1969; Reprint from 1971 Bureau of Mines, "Minerals Yearbook," Iowa Mines and Minerals Department, 1972 data. 1973-78 data provided by the Iowa Geological Survey.

Iowa coal tonnage

1963	1,211,614	1971	979,086
1964	971,977	1972	862,884
1965	1,045,607	1973	601,000
1966	1,025,765	1974	590,000
1967	896,556	1975	622,000
1968	878,366	1976	600,000
1969	902,911	1977	500,000
1970	987,457	1978	432,000

Source: Iowa Mines and Mineral Department, "Mineral Production in Iowa." 1974-78 figures provided by the Iowa Geological Survey.

Distribution of Pennsylvania Rock

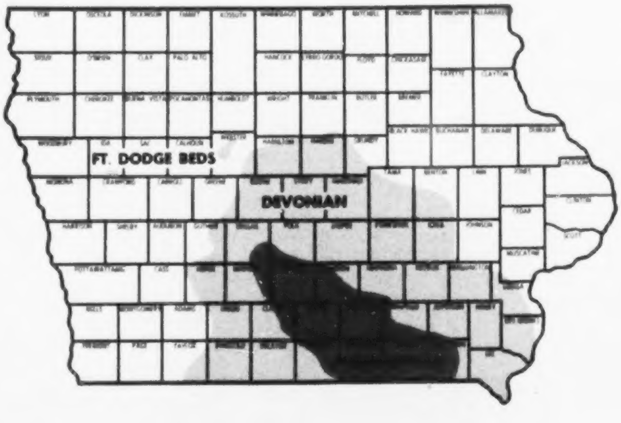


summary of reserves

The estimated original coal reserves of Iowa total 7,236.54 million short tons, of which 3,500.72 million tons is classed as measured and indicated reserves and 3,735.82 million tons is classed as inferred. A total area of about 1,316,040 acres in 37 counties was included in the reserve calculations; an additional area of about 1,291,830 acres in 44 counties is indicated by the currently available information to be favorable for the presence of coal beds more than 14 inches thick.

Source: Coal Resources of Iowa, Technical Paper #4 Iowa Geological Survey, 1965.

Gypsum Resource Areas



mineral production in Iowa by counties[1]

(thousands)

County	1974	1975	Minerals produced in 1975 in order of value
Adair	W	W	Stone.
Adams	W	W	Do.
Allamakee	$ 904	W	Stone, sand and gravel.
Appanoose	1,480	W	Stone, clays.
Audubon	W	W	Sand and gravel.
Benton	W	W	Sand and gravel, stone.
Black Hawk	W	W	Stone, sand and gravel.
Boone	619	$ 1,460	Sand and gravel.
Bremer	W	W	Stone, sand and gravel.
Buchanan	656	W	Do.
Buena Vista	W	48	Sand and gravel.
Butler	W	W	Stone, sand and gravel.
Calhoun	80	—	
Carroll	111	524	Sand and gravel.
Cass	W	W	Stone.
Cedar	510	W	Stone, sand and gravel.
Cerro Gordo	37,056	W	Cement, stone, clays, sand and gravel.
Cherokee	407	402	Sand and gravel.
Chickasaw	W	W	Stone, sand and gravel.
Clark	W	W	Stone.
Clay	200	176	Sand and gravel.
Clayton	1,573	1,760	Sand and gravel, stone.
Clinton	W	W	Stone, sand and gravel.
Crawford	W	W	Sand and gravel.
Dallas	W	W	Sand and gravel, clays.
Davis	W	W	Stone, sand and gravel.
Decatur	W	W	Stone.
Delaware	675	W	Stone, sand and gravel.
Des Moines	3,992	W	Stone, gypsum, sand and gravel.
Dickinson	266	219	Sand and gravel.
Dubuque	1,230	1,458	Stone.
Emmett	731	301	Sand and gravel.
Fayette	1,029	1,218	Stone, sand and gravel.
Floyd	653	610	Stone, sand and gravel, clays.
Franklin	959	W	Do.
Fremont	W	W	Stone, sand and gravel.
Greene	434	305	Sand and gravel.
Grundy	W	W	Sand and gravel, stone.
Guthrie	99	W	Sand and gravel.
Hamilton	W	W	Stone, sand and gravel.
Hancock	W	W	Do.
Hardin	W	W	Do.
Harrison	972	W	Do.
Henry	421	W	Do.
Howard	410	W	Do.
Humboldt	W	W	Do.
Ida	31	34	Sand and gravel.
Iowa	W	W	Do.
Jackson	526	W	Stone, sand and gravel.
Jasper	W	W	Sand and gravel, stone.
Jefferson	W	258	Stone.
Johnson	2,013	2,131	Stone, sand and gravel.
Jones	2,923	3,031	Do.
Keokuk	W	W	Stone.
Kossuth	121	W	Sand and gravel.
Lee	W	W	Stone, sand and gravel.
Linn	3,774	4,243	Do.
Louisa	W	W	Stone.
Lucas	W	W	Coal.
Lyon	703	645	Sand and gravel.
Madison	5,228	W	Stone, clays.
Mahaska	W	W	Coal, stone, sand and gravel.
Marion	1,772	W	Stone, coal, sand and gravel, gypsum.
Marshall	W	W	Stone, sand and gravel.
Mills	W	W	Stone.
Mitchell	W	W	Stone, sand and gravel.
Monona	86	495	Sand and gravel.
Monroe	W	W	Coal, stone.
Montgomery	W	W	Stone, sand and gravel.
Muscatine	W	W	Do.
O'Brien	188	247	Sand and gravel.
Osceola	W	W	Do.
Page	W	W	Stone, sand and gravel.
Palo Alto	W	279	Sand and gravel.
Plymouth	600	662	Do.
Pocahontas	W	W	Stone, sand and gravel.
Polk	23,505	W	Cement, sand and gravel, clays.
Pottewattamie	W	W	Stone, sand and gravel.
Poweshiek	W	W	Stone.
Sac	841	635	Sand and gravel.
Scott	21,857	22,384	Cement, stone, lime, clays.
Shelby	W	W	Sand and gravel.
Sioux	999	1,113	Do.
Story	1,431	W	Sand and gravel, stone, clays.
Tama	W	W	Sand and gravel.
Taylor	W	W	Stone.
Union	W	W	Do.
Van Buren	1,279	W	Stone, sand and gravel.
Wapello	977	W	Coal, sand and gravel, clays.
Warren	W	W	Sand and gravel.
Washington	W	W	Stone.
Wayne	W	—	
Webster	7,053	W	Gypsum, stone, sand and gravel, clays.
Winnebago	W	436	Peat, sand and gravel.
Winneshiek	1,481	W	Stone, sand and gravel.
Woodbury	223	202	Sand and gravel, clays.
Worth	W	W	Stone, sand and gravel, peat.
Wright	322	758	Sand and gravel.
Undistributed[2]	43,319	149,704	
Total	176,720	195,740	

W Withheld to avoid disclosing individual company confidential data; included with "Undistributed."

[1] Ringgold County is not listed because no production was reported.

[2] Includes some stone that cannot be assigned to specific counties, gem stones, and values indicated by symbol W.

[3] Data may not add to totals shown because of independent rounding.

Source: Bureau of Mines, *Minerals Yearbook*, U.S. Department of the Interior.

bituminous coal production by type of mine and county

1975 Data	Number of mines			Production (Thousand short tons)			Value (Thousands)
	Underground	Strip	Total	Underground	Strip	Total	
Lucas	1	—	1	W	—	W	W
Mahaska	—	4	4	—	128	128	$1,425
Marion	—	3	3	—	62	62	751
Monroe	1	—	1	W	—	W	W
Wapello	—	1	1	—	69	69	860
Undistributed	—	—	—	363	—	363	3,855
Total	2	8	10	363	259	622	6,891

W Withheld to avoid disclosing individual company confidential data; included with "Undistributed."
Source: Bureau of Mines, *Minerals Yearbook*, U.S. Department of the Interior.

Iowa climate and geography

Located between the Upper Mississippi and the Missouri Rivers, the State of Iowa comprises 56,000 square miles primarily of rolling prairie, with an extreme north-south distance of 205 miles and an extreme east-west distance of 310 miles. Elevation changes are small across the State, varying from 1670 feet in Osceola County in the northwest to 480 feet at the mouth of the Des Moines River in the southeast. Some rugged terrain, mainly of forest soils, may be found in the northeast yet most of the State's natural lakes are located in the northwest.

Iowa's four distinct seasons provide a climate that is classified as humid continental. Temperatures vary through a wide range, arriving at an annual average of 49 degrees. A typical year brings 166 days of sunshine, 100 partly cloudy days and 99 cloudy days. Since much of the average 32 inches of rainfall comes during the growing season, Iowa's climate is ideal for agriculture. Winter snowfall averages 30 inches, and relative humidity averages 72 percent.

Clean air and clean water have been maintained in abundance in the State with enforcement of pollution laws assuring their existence in the future.

Source: U.S. Department of Commerce, Environmental Science Services Administration, Climates of the States—Iowa.

mean temperature and total precipitation

Mean Average Temperature

	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	26.9	50.0	74.4	53.6
Carroll	22.9	47.8	72.9	51.4
Cedar Rapids	24.3	48.3	72.7	51.9
Council Bluffs	27.3	48.9	73.2	52.1
Creston	25.4	49.0	73.5	52.5
Davenport	26.4	49.1	74.5	54.0
Decorah	20.4	45.7	71.5	49.6
Des Moines	23.5	49.4	75.0	52.7
Dubuque	23.9	47.7	72.2	52.0
Fort Dodge	21.8	47.1	72.4	50.8
Mason City	19.3	45.0	70.8	48.9
Ottumwa	27.0	50.7	75.0	52.5
Rock Rapids	19.5	45.9	71.8	49.0
Sioux City	22.0	47.8	74.6	51.9
Spencer	19.1	45.4	71.4	48.9
Waterloo	20.8	46.4	71.9	49.8
State of IOWA	21.3	48.1	72.9	51.8

Source: U.S. Department of Commerce, Weather Bureau, Climatic Summary of the United States—Iowa.

Mean Average Precipitation

	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	1.54	3.39	4.01	2.59
Carroll	.98	2.30	4.01	1.97
Cedar Rapids	1.30	3.97	3.90	2.77
Council Bluffs	.85	2.98	4.86	1.90
Creston	.92	2.84	4.00	2.39
Davenport	1.53	3.15	3.87	2.74
Decorah	1.08	2.93	4.12	2.64
Des Moines	1.18	2.90	3.81	2.22
Dubuque	1.71	3.35	3.82	3.02
Fort Dodge	1.03	2.74	4.09	2.21
Mason City	.88	2.64	4.27	2.22
Ottumwa	1.31	3.14	4.19	2.51
Rock Rapids	.69	2.55	3.85	1.78
Sioux City	.80	2.31	3.37	1.77
Spencer	.82	2.55	3.99	1.95
Waterloo	1.07	2.83	4.01	2.58
State of IOWA	1.00	2.91	4.10	2.03

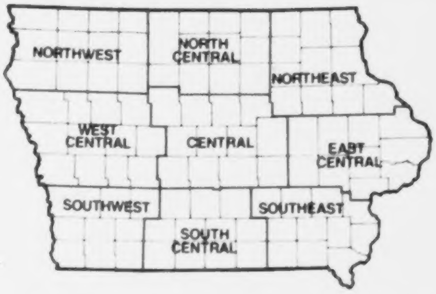
Source: U.S. Department of Commerce, Environmental Science Services Administration, "Climates of the States—Iowa."

wind chill table

	AIR TEMPERATURE (°F)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
	WIND CHILL INDEX (EQUIVALENT TEMPERATURE) — Equivalent in cooling power on exposed flesh																
WIND SPEED MPH																	
4	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
	COLD																
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
		VERY COLD															
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
				BITTERLY COLD													
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
						EXTREME COLD											
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

Wind speeds greater than 40 mph have little additional chilling effect.
Source: "Winds Over Iowa", Iowa Department of Agriculture, State Climatology Office.

climate
(annual averages)



(1941-1970)

PRECIPITATION (Inches)	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	0.59	0.96	1.57	2.35	3.87	4.84	3.59	3.36	3.03	1.76	0.95	0.80	27.69
North Central	0.87	0.94	2.02	2.78	4.18	5.13	4.19	3.56	3.21	1.97	1.20	1.04	31.09
Northeast	1.05	0.91	2.20	3.11	4.13	5.03	4.20	3.54	3.62	2.32	1.58	1.25	32.94
West Central	0.75	0.99	1.88	2.72	4.10	5.30	3.56	3.77	2.96	1.94	1.08	0.83	29.87
Central	1.00	1.00	2.20	3.05	4.30	5.26	3.87	3.66	3.26	2.16	1.34	1.06	32.18
East Central	1.37	1.07	2.37	3.48	3.97	4.94	3.97	3.39	3.74	2.50	1.87	1.54	34.21
Southwest	0.82	0.98	2.07	2.94	4.32	5.59	3.79	4.19	3.66	2.33	1.24	0.93	32.86
South Central	1.16	1.02	2.31	3.33	4.10	5.23	3.70	3.90	3.80	2.43	1.51	1.21	33.69
Southeast	1.45	1.14	2.43	3.62	3.80	4.79	4.02	3.53	3.75	2.72	1.72	1.59	34.56

TOTAL SNOWFALL (Inches)

	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	5.7	7.8	8.8	1.6	0.2	0	0	0	T	0.3	3.9	6.6	34.7
North Central	7.0	7.4	10.6	1.4	0.1	0	0	0	0.1	T	3.5	7.9	38.0
Northeast	7.7	6.2	9.4	0.8	0.1	0	0	0	T	T	2.5	8.2	34.9
West Central	6.8	6.4	8.6	1.3	0.2	0	0	0	T	0.2	3.1	5.9	32.5
Central	6.9	6.6	8.2	0.8	0.1	0	0	0	T	0.1	2.1	6.5	31.3
East Central	7.3	6.0	7.3	0.7	T	0	0	0	T	0.1	1.4	7.4	30.2
Southwest	6.0	5.5	6.7	0.9	0.1	0	0	0	T	0.1	2.0	5.5	26.8
South Central	7.0	5.2	6.6	0.7	T	0	0	0	T	0.1	1.5	6.2	27.3
Southeast	7.1	5.2	6.2	0.4	T	0	0	0	T	0.1	1.2	6.4	26.6

TEMPERATURE (F degrees)	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	15.8	20.9	31.0	47.3	59.0	68.5	73.1	71.5	61.7	51.7	34.7	21.6	46.4
North Central	15.6	20.3	30.7	47.1	58.8	68.4	72.4	70.8	61.5	51.8	34.8	21.4	46.1
Northeast	17.1	21.4	31.8	47.5	58.3	68.0	72.1	70.6	61.6	51.8	35.6	22.4	46.5
West Central	19.0	24.3	33.8	49.6	60.9	69.9	74.4	72.8	63.5	53.6	37.0	24.6	48.6
Central	19.2	24.0	33.9	49.5	60.7	69.8	74.1	72.4	63.4	53.7	37.4	24.6	48.6
East Central	20.7	25.0	35.1	50.0	60.7	70.1	74.0	72.5	64.0	54.0	38.5	25.8	49.2
Southwest	22.2	27.5	36.6	51.5	62.1	71.0	75.6	73.9	64.9	55.0	39.2	27.3	50.6
South Central	22.3	27.2	36.5	51.3	61.8	70.6	75.1	73.5	64.9	55.3	39.6	27.4	50.5
Southeast	23.1	27.7	37.3	51.9	62.4	71.6	75.7	74.1	65.7	55.8	40.4	28.1	51.2

MEAN DEGREE DAYS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	1525	1246	1054	535	231	53	8	19	144	426	909	1345	7,495
North Central	1531	1263	1063	539	231	47	10	23	138	419	906	1352	7,522
Northeast	1485	1232	1029	528	233	46	11	25	135	420	882	1321	7,347
West Central	1426	1150	967	465	185	34	4	14	107	366	840	1252	6,810
Central	1420	1158	964	477	198	34	4	19	111	375	828	1252	6,840
East Central	1373	1130	927	453	190	24	3	14	89	356	795	1215	6,569
Southwest	1327	1059	880	416	165	26	5	10	86	328	774	1169	6,245
South Central	1324	1063	884	419	168	23	2	12	85	323	762	1166	6,236
Southeast	1299	1054	859	402	163	20	0	11	67	310	738	1144	6,067
State	1412	1151	959	470	196	34	5	16	107	369	826	1246	679

T=Trace